

MINUTES
MEDICAL UNIVERSITY OF SOUTH CAROLINA
BOARD OF TRUSTEES MEETING
August 10, 2012

The Board of Trustees of the Medical University of South Carolina convened Friday, August 10, 2012, with the following members present: Thomas L. Stephenson, Esquire, Chairman; Dr. James E. Wiseman, Jr., Vice Chairman; Dr. Stanley C. Baker, Jr.; Mr. William H. Bingham, Sr.; Dr. Cotesworth P. Fishburne, Jr.; Mr. William B. Hewitt; Dr. Harold W. Jablon; Dr. E. Conyers O'Bryan, Jr.; Dr. Thomas C. Rowland, Jr.; Mr. Charles W. Schulze; The Honorable Robin M. Tallon; Dr. Charles B. Thomas, Jr.; Absent: Dr. Donald R. Johnson II

The following administrative officials were present: Dr. Raymond S. Greenberg, President; Dr. Mark Sothmann, Vice President for Academic Affairs and Provost; Dr. Etta Pisano, Vice President for Medical Affairs, and Dean, College of Medicine; Ms. Lisa Montgomery, Executive Vice President for Finance and Operations; Mr. Stuart Smith, Vice President for Clinical Operations and Executive Director, MUHA; Dr. Frank Clark, Vice President for Information Technology and CIO; Mr. Jim Fisher, Vice President for Development.

The following deans were present: Dr. Jack Sanders, College of Dental Medicine; Dr. Etta Pisano, College of Medicine; Dr. Philip Hall, College of Pharmacy; Dr. Gail Stuart, College of Nursing, Dr. Perry Halushka, College of Graduate Studies; Dr. Joseph DiPiro, Executive Dean, SCCP.

Item 1. Call to Order-Roll Call.

There being a quorum present, Chairman Stephenson called the meeting to order. Ms. Celeste Jordan called the roll.

Item 2. Secretary to Report Date of Next Meeting.

The date of the next regularly scheduled meeting is Friday, October 12, 2012.

Item 3. Approval of Minutes of the Regular Meeting of the Medical University of South Carolina Board of Trustees of May 17, 2012.

Board Action: It was moved that the Minutes be approved. The motion was seconded, voted on and unanimously carried.

Item 4. Performance Appraisal of MUSC President.

Statement: As required, the agency head performance appraisal for Dr. Greenberg was completed by the Board and will be submitted to the Agency Head Salary Commission.

Board Action: Received as information.

RECOMMENDATIONS AND INFORMATIONAL REPORTS OF THE PRESIDENT.

OLD BUSINESS: None.

NEW BUSINESS:

Item 5. General Informational Report of the President.

Dr. Greenberg distributed his usual activity report since the May meeting. It has been a very positive, busy summer with a lot of activity going on. The board heard from Jim Fisher about exceeding the fund raising goals and a major amount of time had been devoted to that effort.

Dr. Greenberg reported he had made his annual presentation to the Commission on Higher Education and distributed highlights of that presentation. He applauded Stuart Smith, his team and MUSC Physicians because they clearly have received a large number of accolades from outside rating groups looking at things from patient safety to the design of the facilities. MUSC strives to become a top quartile academic health center and, at least on the clinical side, MUSC is close, if not already there.

Dr. Greenberg also reviewed budget requests and legislative priorities with the Commission and shared that information with the board. The priorities include: 1. increase core appropriation; 2. address parity; 3. support for deferred maintenance; 4. funding for the SmartState Program; 5. a bond bill.

Dr. Greenberg shared MUSC's goals for 2012-2013 as follows:

Education

- Seek approval of a Masters in Science in Health Informatics
- Begin conversion of nurse anesthesia program to doctoral level
- Successfully renew medical school accreditation
- Successfully complete the Interim Review of university accreditation
- Recruit a new dean for the College of Graduate Studies
- Launch the Certificate in Biomedical Sciences
- Transition Bioengineering PhD from dual to joint degree with Clemson
- Begin renovations of nursing school
- Explore expansion of clinical education sites

Research

- Recruit a new chair for Biochemistry
- Recruit a leader for Genetics
- Recruit a leader for new Public Health Department
- Recruit a new leader for Biomedical Informatics
- Complete renovation of Microbiology/Immunology laboratories
- Launch Applied Neurosciences Institute
- Launch Center for Innovation and Entrepreneurship
- Continue recruitment of SmartState chairs

Clinical Service

- Recruit new hospital CEO
- Open and fully occupy new Mount Pleasant outpatient facility
- Improve hospital operating margin
- Prepare to add additional capacity in Ashley River Tower

- Recruit chairs for Orthopedics and Family Medicine
- Continue to build affiliations with other health care providers
- Continue implementation of new electronic health record system

General University

- Implement new institutional effectiveness program
- Implement new Responsibility Centered Management funds flow
- Refine conflict of interest policies
- Continue to grow private fund-raising, including for new hospital
- Renovate space in Clinical Sciences and Walton Research buildings
- Recruit legal counsel for hospital and associate legal counsel for University
- Explore options for new data center
- Implement diversity training and review diversity plans

At the October meeting, the board will be meeting on Friday at the MUSC Physicians facility in Mt. Pleasant and have the opportunity to tour the new facility. Dr. Greenberg reported that the University is moving forward on the electronic health record implementation and Responsibility Center Management (Funds Flow). There is going to be a very busy year ahead and there is already a lot of momentum on all of these efforts.

Dr. Greenberg asked Dr. Sothmann to introduce the speaker. Dr. Sothmann introduced Mr. Harold Chappellear. Mr. Chappellear has been the Chair of the MUSC Foundation for Research Development (FRD) Board for the past two years. Mr. Chappellear is an MUSC graduate of the College of Pharmacy and a Greenville native. He retired as EVP with Upjohn after a thirty-year career. He moved into start up companies and has been very active at the University of Maryland, Baltimore. He was a member of the University's foundation board and was awarded an honorary doctorate for his work there. He has also been engaged across the country on advisory boards for pharmacy.

Mr. Chappellear stressed the importance of aligning the FRD goals with the goals established in the University's Strategic Plan. He discussed the four strategic initiatives of the FRD which are: 1. Empower the MUSC Faculty to increase the number and quality of inventions; 2. Establish efficient and effective tech transfer processes, procedures, and metrics coupled with a streamlined licensing process. 3. Implement an effective communications plan to educate inventors and convey the performance, value and benefit of FRD; 4. Develop sustainable funding model for tech transfer.

At the conclusion of his presentation, Dr. Fishburne asked when the FRD will get to the point they will be financially self sufficient. Dr. Greenberg responded that even when the FRD is highly successfully in its efforts, the way the business model is set up, FRD will not get much of a financial return. The FRD is fulfilling a function to the University as a research institution and there will always be a cost to the University to continue the support of the FRD.

Dr. Greenberg said he has observed many talented people as Chairman of the FRD Board over the past sixteen years and he has never seen a leader as focused and determined to develop a plan as Hal Chappelle has been.

Recommendations of Administration: That the report be received as information.

Board Action: Received as information.

Item 6. Other Business. None.

RESEARCH AND INSTITUTIONAL ADVANCEMENT COMMITTEE. CHAIRMAN: DR. COTESWORTH P. FISHBURNE, JR. (Detailed committee minutes are attached to these minutes).

OLD BUSINESS: None.

NEW BUSINESS: Dr. Fishburne stated he thought everyone was in attendance at the Committee meeting on Thursday where the reports were given. So those reports, along with the presentation that Mr. Chappelle just presented to the board, constitutes the Committee's business for the August meeting.

Item 7. General Report of the Associate Provost for Research.

Statement: Dr. Stephen Lanier provided his report to committee.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action: Received as information.

Item 8. General Report of the Vice President for Development.

Statement: Mr. Jim Fisher provided his report to committee.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action: Received as information.

Item 9. General Report of the CEO of the MUSC Foundation.

Statement: Mr. Tom Anderson provided his report to committee.

Recommendation of Administration: That the report be received as information.

Recommendation of Committee: That the report be received as information.

Board Action: Received as information.

Item 10. General Report of the Executive Director of the MUSC Foundation for Research Development.

Statement: Dr. Jesse S. Goodwin, the new Technology Development Officer, reported, in Mr. Robert Donato's absence, to committee.

Recommendation of Administration: That the report be received as information.

Recommendation of Committee: That the report be received as information.

Board Action: Received as information.

Item 11. Other Business. None.

EDUCATION, FACULTY AND STUDENT AFFAIRS COMMITTEE. CHAIRMAN: Dr. E. Conyers O'Bryan. (Detailed committee minutes are attached to these minutes).

OLD BUSINESS: None.

NEW BUSINESS:

Item 12. General Report of the Vice President for Academic Affairs and Provost.

Statement: Dr. O'Bryan reviewed the report provided to the committee as follows:

Nurse Anesthesia Program

Dr. Sothmann reviewed the April Board of Trustees Executive Session discussion regarding the Doctor of Nurse Anesthesia degree program. He emphasized that the information gleaned from that discussion indicated that this degree is mandated by the national accrediting agency and its approval has no relationship to scope of practice issues currently being discussed in South Carolina. Failure to approve the degree would result in having to eventually close the Nurse Anesthesia program.

Student Report

Dr. Sothmann introduced Mr. Brandan Hagan, the newly elected SGA President, who talked briefly about upcoming student activities.

Recommendation of Administration: That the report be received as information.

Recommendation of Committee: That the report be received as information.

Board Action: Report received as information.

Item 13. Degree Programs.

Statement: Dr. O'Bryan presented the following degree programs for approval:

- **Non-Degree Certificate in Science in Health Informatics**
- **Master of Science in Health Informatics**
- **Doctor of Nurse Anesthesia Practice**

Recommendation of Committee: Concern was expressed regarding the lack of clarifying fiscal information within each of the three program proposals being submitted. Dr. Sothmann agreed that fiscal forecasting needed to be standardized in future proposals. He emphasized that RCM will require deans to be responsible for their funding decisions. A motion was made to approve the three proposals and passed with one opposed.

Recommendation of Administration: That these programs be approved.

Board Action: A motion was made, seconded and unanimously voted, with no opposition, to approve the degree programs as presented.

Item 14. Other Committee Business.

Statement: Additional items were submitted for approval as follow:

A. Item 15. Faculty Promotions

Statement: At the request of the Dean of the South Carolina College of Pharmacy, administration presents for approval, the following faculty promotion, effective July 1, 2012

South Carolina College of Pharmacy

From Assistant Professor to Associate Professor, non-tenure track

Shannon J. Drayton, Pharm.D., Department of Clinical Pharmacy and Outcome Sciences to be effective July 1, 2012

B. Item 16. Faculty Appointments

Statement: At the request of the Deans of the colleges of Health Professions and Medicine, administration presents for approval, the following faculty appointments:

College of Health Professions

Matthew P. Malcolm, Ph.D., as Associate Professor in the Department of Health Professions, Division of Occupational Therapy, effective July 1, 2012. Dr.

Malcolm's primary appointment rests in the Department of Health Sciences and Research.

College of Medicine

Edward W. Cheeseman, Jr., M.D., as Associate Professor, on the Clinician Educator track, in the Department of Ophthalmology, effective August 1, 2012

Andrew S. Eiseman, M.D., as Associate Professor, on the Clinician Educator track, in the Department of Ophthalmology, effective September 4, 2012

Geoffrey R. McKee, Ph.D., as Clinical Professor in the Department of Psychiatry and Behavioral Sciences, effective June 1, 2012

Bruce I. Ovbiagele, M.D., as Professor with tenure, on the Academic Clinician track, in the Department of Neurosciences, Division of Neurology, effective September 1, 2012

Dr. Ovbiagele also will serve as co-Chair of the Department of Neurosciences, and will hold the Admiral Paul E. Pihl Endowed Chair of Neuroscience

Don C. Rockey, M.D., as Professor with tenure, on the Clinician Educator track, in the Department of Medicine, Division of Gastroenterology and Hepatology, effective September 1, 2012

Dr. Rocky also will serve as Chair of the Department of Medicine

C. Item 17. Changes in Faculty Status

Statement: At the request of the Dean of the College of Dental Medicine, administration presents for approval, the following change in faculty status:

Donald Edward Collins, D.M.D., from Professor to Professor Emeritus in the Department of Oral Rehabilitation, effective August 1, 2012

D. Item 18. Endowed Chair Appointments

Statement: at the request of the Dean of the College of Medicine, administration presents for approval the following endowed chair requests:

Carolyn D. Britten, M.D., as the SmartState Charles Westerfield Coker Distinguished Endowed Chair in Gastrointestinal Malignancy, effective July 1, 2012

Bruce I. Ovbiagele, M.D., as the Admiral Paul E. Pihl Endowed Chair of Neuroscience, effective September 1, 2012

Recommendation of Administration: That these faculty promotions, appointments, changes in faculty status and endowed chair appointments be approved.

Recommendation of Committee: That these faculty promotions, appointments, changes in faculty status and endowed chair appointments be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the faculty promotions, appointments, changes in faculty status and endowed chair appointments as presented.

Item 15. Faculty Promotions (Consent Item).

Statement: At the request of the Deans of the colleges of Dental Medicine, Health Professions, and Medicine, administration presented the following faculty promotions:

College of Medicine

From Associate Professor to Professor: Clinician Educator track without tenure

Abid Irshad, M.B.B.S., Department of Radiology and Radiological Science

Sandra L. Fowler, M.D., Department of Pediatrics, Division of Infectious Disease

From Assistant Professor to Associate Professor: Academic Investigator track

Kelley M. Argraves, Ph.D., Department of Regenerative Medicine and Cell Biology

From Assistant Professor to Associate Professor: Academic Clinician track

Peter W. Tuerk, Ph.D., Department of Psychiatry and Behavioral Sciences

From Assistant Professor to Associate Professor: Clinician Educator track

Nicholas I. Batalis, M.D., Department of Pathology and Laboratory Medicine

Geoffrey A. Forbus, M.D., Department of Pediatrics, Division of Pediatric Cardiology

Joshua D. Hornig, M.D., Department of Otolaryngology – Head and Neck Surgery

Michelle P. Hudspeth, M.D., Department of Pediatrics, Division of Hematology/Oncology

Christian J. Streck, M.D., Department of Surgery, Division of Pediatric Surgery

From Clinical Assistant Professor to Clinical Associate Professor: Modified Clinical track

John B. Sperry, Jr., M.D., Department of Pediatrics, Division of General Pediatrics

South Carolina College of Pharmacy

From Assistant Professor to Associate Professor, non-tenure track

Shannon J. Drayton, Pharm.D., Department of Clinical Pharmacy and Outcome Sciences to be effective July 1, 2012

Recommendation of Administration: That these faculty promotions be approved.

Recommendation of Committee: That these faculty promotions be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the faculty promotions.

Item 16. Faculty Appointments (Consent Item).

Statement: At the request of the deans of the colleges of Health Professions, Medicine, Nursing, and the Department of Library Science and Informatics, administration presented for approval, the following faculty appointments:

College of Health Professions

Matthew P. Malcolm, Ph.D., as Associate Professor in the Department of Health Sciences and Research, effective July 1, 2012

College of Medicine

Walter S. Bartynski, M.D., as Professor, on the Clinician Educator track, in the Department of Radiology and Radiological Science, effective July 1, 2012

David G. Bundy, M.D., as Associate Professor, on the Academic Clinician track, in the Department of Pediatrics, Division of General Pediatrics, effective August 6, 2012

Carolyn D. Britten, M.D., as Associate Professor, on the Academic Clinician track, in the Department of Medicine, Division of Hematology/Oncology, effective July 1, 2012

Matthew J. Carpenter, Ph.D., (dual appointment) as Associate Professor in the Department of Family Medicine, effective July 1, 2012

Dr. Carpenter's primary appointments rests in the Department of Psychiatry and Behavioral Sciences.

Sharon J. Kaminer, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

Mark S. Kindy, Ph.D., (dual appointment) as Professor in the Department of Regenerative Medicine and Cell Biology, effective May 1, 2012

Dr. Kindy's primary appointment rests in the Department of Neurosciences, Division of Neuroscience Research.

Oscar F. Lovelace, Jr., M.D., as MUSC AHEC Clinical Professor (Charleston, Family Medicine), effective retrospective to July 1, 2011

John C. Maize, Sr., M.D., (dual appointment) as Professor, in the Department of Pathology and Laboratory Medicine, effective August 1, 2012. Dr. Maize's primary appointment rests in the Department of Pathology.

David G. Malpass, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

Ashli J. Sheidow, Ph.D., (dual appointment) as Associate Professor in the Department of Pediatrics, Division of Pediatric Emergency Medicine, effective July 1, 2012. Dr. Sheidow's primary appointment rests in the Department of Psychiatry and Behavioral Sciences.

C. Osborne Shuler, III, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

Susan J. Simonian, Ph.D., as Adjunct Associate Professor in the Department of Psychiatry and Behavioral Sciences, effective June 1, 2012

J. Antonio Quiros, M.D., as Associate Professor, on the Clinician Educator track, in the Department of Pediatrics, Division of Gastroenterology, effective July 1, 2012

Matthew M. Wienecke, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

College of Nursing

Tamera Pearson, Ph.D., FNP, ACNP, as Associate Professor, on the Educator Clinician track, in the Department of Nursing, effective July 16, 2012

Recommendation of Administration: That these faculty appointments be approved.

Recommendation of Committee: That these requests for faculty appointments be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the faculty appointments.

Item 17. Changes in Faculty Status (Consent Item).

Statement: At the request of the deans of the Colleges of Dental Medicine and Medicine, administration presented for approval the following changes in faculty status:

College of Dental Medicine and Medicine

Yi-Te Hsu, Ph.D., from Research Associate Professor to Associate Professor, on the Academic Investigator/Educator track, in the Department of Biochemistry and Molecular Biology, effective July 1, 2012

College of Medicine

Eric R. Lacy, Ph.D., from Professor to Professor Emeritus, in the Department of Regenerative Medicine and Cell Biology, effective July 1, 2012

John C. Maize, Sr., M.D., from Clinical Professor to Professor, on the Clinician Educator track, in the Department of Dermatology, effective July 1, 2012

John K. Orak, M.D., from Associate Professor to Professor Emeritus, in the Department of Pediatrics, Division of Nephrology, effective April. 17, 2012

Girish S. Shirali, M.D., from Professor to Adjunct Professor, in the Department of Pediatrics, Division of Pediatric Cardiology, effective July 1, 2012

H. Del Schutte, M.D., from Associate Professor to Clinical Associate Professor in the Department of Orthopaedic Surgery, effective July 1, 2012

Recommendation of Administration: That these changes in faculty status be approved.

Recommendation of Committee: That these changes in faculty status be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the changes in faculty status.

Item 18. Endowed Chairs (Consent Item).

Statement: At the request of the Dean of the College of Medicine, administration presented for approval, the following endowed chair appointment:

Donna D. Johnson, M.D., as the Lawrence L. Hester Professor of Obstetrics and Gynecology Endowed Chair, effective July 1, 2012

Recommendation of Administration: That this endowed chair appointment be approved.

Recommendation of Committee: That this endowed chair appointment be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the endowed chair appointment.

Item 19. Distinguished University Professors (Consent Item).

Statement: Administration presented for approval, the following Distinguished University Professor appointment:

Perry V. Halushka, Ph.D., M.D., Professor and Dean, College of Graduate Studies, as Distinguished University Professor, effective August 10, 2012

Recommendation of Administration: That the appointment of Dr. Perry Halushka as Distinguished University Professor be approved.

Recommendation of Committee: That the appointment of Dr. Perry Halushka as Distinguished University Professor be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the Distinguished University Professor appointment for Dr. Perry V. Halushka.

FINANCE AND ADMINISTRATION COMMITTEE. CHAIRMAN: MR. CHARLES W. SCHULZE.
(Detailed committee minutes are attached to these minutes).

OLD BUSINESS: None.

NEW BUSINESS:

Item 20. MUSC Budget for Fiscal Year 12-13.

Statement: Mr. Schulze asked for approval of the MUSC and MUSC Physicians Budgets for FY13.

Recommendation of Administration: That the FY13 MUSC and MUSC Physicians Budgets be approved.

Recommendation of Committee: That the FY13 MUSC and MUSC Physicians Budgets be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the MUSC and MUSC Physicians Budgets for FY 12-13, as presented.

Item 21. Major Purchase.

Statement: Mr. Schulze asked for approval of the annual management service contract between MUSC and the MUSC Foundation for Research Development in the amount of \$1,050,000.

Recommendation of Administration: That the Major Purchase be approved.

Recommendation of Committee: That the Major Purchase be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the Major Purchase.

Item 22. Financial Status Report of the Medical University of South Carolina.

Statement: Mr. Schulze stated Mr. Wamsley presented a report to the committee on the finances of the University.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action: Received as information.

Item 23. Financial Status Report of MUSC Physicians.

Statement: Mr. Schulze said Ms. Gina Ramsey had presented information on the financial status of the MUSC Physicians to the committee.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action: Received as information.

Item 24. Financial Status Report of the MUSC Foundation for Research Development.

Statement: A written report was included in the agenda.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action: Received as information.

Item 25. Other Committee Business. None.

UNIVERSITY PHYSICAL FACILITIES COMMITTEE. CHAIRMAN: MR. WILLIAM H. BINGHAM, SR. (Detailed committee minutes are attached to these minutes).

OLD BUSINESS: None.

NEW BUSINESS:

Item 26. Update on Projects.

No report.

Item 27. Other Business:

Statement: Mr. Bingham presented the following for approval:

- New project to relocate the laboratory space from the Walton Research Building to the BSB. Total estimated budget: \$800,000.

Recommendation of Administration: That the project be approved.

Recommendation of Committee: That the project be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the new facilities project as presented.

Statement: Mr. Bingham stated that the committee had received a recommendation to consider selling the Sebring-Aimar House. The Committee decided the University would be interested in selling the property for market value.

Recommendation of Committee: To sell the Sebring-Aimar House at market value.

Board Action: A motion was made, seconded and unanimously voted to approve the sale of the Sebring-Aimar House at market value.

Item 28. Facilities Contracts Awarded (Consent Item).

Statement: The facilities contracts awarded since the last meeting were presented for information.

Recommendation of Administration: That the report be received as information.

Recommendation of Committee: That the report be received as information.

Board Action: Received as information.

MEDICAL UNIVERSITY OF SOUTH CAROLINA AUDIT COMMITTEE. CHAIRMAN: MR. WILLIAM B. HEWITT (Detailed committee minutes are attached to these minutes).

OLD BUSINESS: None.

NEW BUSINESS:

Item 29. Annual Compliance Report on MUSC.

Statement: Mr. Hewitt stated Ms. Reece Smith, the Compliance Officer for the Hospital Authority, had provided to committee an overall compliance update for the three entities – MUHA, MUSC and MUSC Physicians. She reported on HIPPA, FairWarning, RAC, Conflict of Interest, the Hotline and MD Epic Audits. She reviewed the breakdown of allegations and questions received by the compliance offices for all three entities.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action: Received as information.

Item 30. Report of Internal Auditor.

Statement: Mr. Hewitt stated a written report had been provided to the Board members by Ms. Susan Barnhart, the Director of Internal Audit.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action: Received as information.

Item 31. Other Committee Business.

Statement: Mr. Hewitt stated Mr. Jim Otto and Ms. Rachel Marling from the Hay Group had made a presentation on the conceptual design of an executive incentive plan. At the conclusion of the report, the Board agreed to move forward with the concept as quickly as possible. The Board directed Mr. Hewitt, Mr. Schulze and Ms. Montgomery to prepare specifics of criteria for the plan to be submitted to the Board at its October 2012 meeting.

Board Action: A motion was made, seconded and unanimously voted to move forward with the design of an executive incentive plan as quickly as possible. The

Board directed Mr. Hewitt, Mr. Schulze and Ms. Montgomery to prepare specifics of criteria for the plan to be submitted to the Board at its October 2012 meeting.

OTHER BUSINESS FOR THE BOARD OF TRUSTEES:

Item 32. Approval of Consent Agenda.

Statement: Approval of the University Consent Agenda was requested.

Recommendation of Administration: That the consent agenda be approved.

Board Action: It was moved, seconded and unanimously voted that the consent agenda be approved.

Item 33. New Business for the Board of Trustees.

Election of the Chairman and Vice Chairman of the MUHA Board of Trustees and the Medical University Hospital Authority.

Statement: In accordance with the MUSC and MUHA Board of Trustees Bylaws, Section 3 (B & C), election of Chairman and Vice Chairman, by secret ballot, was conducted.

Board Action: The Board elected Mr. Thomas Stephenson, Chairman and Dr. James Wiseman, Vice-Chairman.

Mr. Stephenson asked for an executive session to discuss a contractual matter. The board members went into executive session. At the conclusion of the session and in open session, Mr. Stephenson declared no action had been taken by the Board.

Item 34. Report from the Chairman. None

There being no further business, the meeting of the University Board of Trustees was adjourned.

Respectfully submitted,



Hugh B. Faulkner III
Secretary

Medical University of South Carolina

RESEARCH AND INSTITUTIONAL ADVANCEMENT COMMITTEE

MINUTES

August 9, 2012

Committee Members Present: Dr. Cotesworth P. Fishburne, Jr., (Chair), Dr. Harold W. Jablon, Dr. Thomas C. Rowland, Jr., The Honorable Robin Tallon, Dr. James E. Wiseman, Jr.

Other Trustees Present: Dr. Stanley C. Baker, Mr. William H. Bingham, Sr., Mr. William B. Hewitt, Dr. Conyers O'Bryan, Jr., Mr. Charles W. Schulze, Thomas L. Stephenson, Esq., Dr. Charles B. Thomas, Jr.

University Officers and Committee Staff Present: Mr. Tom Anderson, Mr. Jim Fisher, Dr. Raymond S. Greenberg, Dr. Stephen Lanier, Dr. Mark Lyles, Mr. John Malmrose, Mr. Bob Marriott, Mr. Stuart Smith, Ms. Lisa Montgomery, Dr. Etta Pisano, Dr. Darlene Shaw, Mr. Stuart Smith, Dr. Etta Pisano, Dr. Mark Sothmann, Dr. Joann Sullivan

Meeting Time: 2:00 pm-2:30 pm

Regular Agenda

Item 8. General Report of the Associate Provost for Research

Dr. Stephen Lanier presented the research activities report and a graph comparing funding from NIH, ARRA funds and other sources. He noted that for the year ending June 30, 2012 initial numbers show that extramural research funding totaled \$227 million, This is a decrease from FY2011 funding which included \$19M in federal stimulus (ARRA) funding. He noted that the FY12 level actually represents a new MUSC record for research funding, excluding the one time funding from the federal stimulus (ARRA) package received in FY10 and FY11. Dr. Lanier also noted that NIH funding decreased from \$105 million in FY2011 to \$94 million in FY2012 but that funding from other sources (corporate, foundation, and other federal agencies) increased, which demonstrates that MUSC is diversifying its extramural research funding portfolio.

Recommendation of Administration: That the report be received as information.

Recommendation of Committee: That the report be received as information.

Board Action:

Item 9. General Report of the Vice President for Development

Mr. Fisher reported that MUSC concluded a most successful fundraising year. For the fiscal year ending June 30, 2012, new gifts, pledges and pledge payments amounted to more than \$76.7 million, which represents a 9.5% increase over the annual goal of \$70 million.

Mr. Fisher reported on several new significant gifts and pledges, including an anonymous gift of \$15 million, which represents the largest single gift ever presented to MUSC. Additionally, 12 gifts or pledges were received at the leadership-gift level of \$1 million and above. An increase in both the number of donors and number of gifts was also experienced. On-line gift giving continues to grow with an increase of 60% in the average on-line gift amount (\$127 to \$203), and a 33% increase in the dollar amount received through on-line giving (\$110,239 to \$146,963).

Mr. Fisher summarized other significant gifts and pledges including the \$3 million Kellogg Foundation award to Drs. Carol Wagner and Bruce Hollis; three Duke Endowment awards to Drs. McSwain, Treiber and Fakhry; \$500,000 from MUHA for the

MUSC South Carolina Nursing Collaborative; \$500,000 from the Spaulding-Paolozzi Foundation to support the Autoimmunity Center of Excellence; \$250,000 from Jan Childress to the College of Pharmacy Building Campaign; gifts totaling \$1.452 million to support an Endowed Chair in Neuro-ophthalmology; and other gifts/pledges to support the ALS Clinic, Inflammation and Fibrosis Research Center of Excellence and a minority dental student scholarship.

Mr. Fisher reported that Marts & Lundy, a fundraising consulting firm, conducted initial internal interviews for a fundraising feasibility study in support of the Children and Women's Hospital. Their recommendation was to defer external interviews until after the results of the national election in November are known.

Mr. Fisher concluded his report noting that philanthropy reports indicate that 2012 will be a very difficult year for gift giving. However, MUSC's development officers feel confident that they can reach an overall goal of \$76 million for the coming year.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action:

Item 10.

General Report of the CEO of the MUSC Foundation

Mr. Anderson reported on the multi-year performance on endowment investment returns noting that while MUSC's one-year performance shows a -1.1%, we out-performed all but one of our peer institutions (Clemson, Georgia Tech, MCG and USC). MUSC's three-year investment returns are at 9.5% which allows the Foundation to continue to make endowed and expendable payouts (\$21 million this past year).

Mr. Anderson reported that the Foundation increased total assets by \$10.0 million or 2.5% for trailing 12 months at FYE 6/30/12 to a record \$412.8 million. This growth is primarily a result of new gift activity generated from development efforts.

A Letter of Intent (LOI) to sell Rutledge Avenue and Doughty Street historic properties for \$1.8 million to CUA Holdings, a Chinese based buyer affiliated with Dr. Moses Li, has been agreed upon, with closing to take place in September. These sales will save the university approximately \$300,000 in annual recurring costs.

In July, an RFP was issued for a Master Developer for the Horizon Project Foundation for mixed used development of 20 acres in the Horizon District (jointly with City of Charleston and MUSC Foundation).

Mr. Anderson presented preliminary data, based on end of calendar year numbers, on how MUSC's endowment compares to peer institutions, as follows: Clemson, \$440M; USC, \$300M; MUSC, \$240M; MCG, \$117M; and CofC, \$55M. He noted that NACUBO rankings will be available in the Fall.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action:

Item 11. General Report of the Executive Director of the MUSC Foundation for Research Development

Dr. Jesse S. Goodwin, the new Technology Development Officer in FRD, reported for Mr. Donato, interim Executive Director. She introduced Deanne Lucas, CPA, as the new CFO for the Foundation. Dr. Rowland noted that investment in the FRD is beginning to pay off based on the total royalties of \$1.55 million paid in FY2012 and on the technology transfer statistics that showed significant increases in invention disclosures and patent applications. It was noted that the FRD Board Chairman, Mr. Hal Chappellear, will make a presentation at the Board of Trustees Meeting on August 10.

Recommendation of Administration: That this report be received as information.

Recommendation of Committee: That this report be received as information.

Board Action:

EDUCATION, FACULTY AND STUDENT AFFAIRS COMMITTEE. CHAIRMAN: Dr. Conyers O'Bryan
August 10, 2012

REGULAR AGENDA

Item 12. General Report of the Vice President for Academic Affairs

Statement:

Nurse Anesthesia Program

Dr. Sothmann reviewed the April Board of Trustees Executive Session discussion regarding the Doctor of Nurse Anesthesia degree program. He emphasized that the information gleaned from that discussion indicated that this degree is mandated by the national accrediting agency and its approval has no relationship to scope of practice issues currently being discussed in South Carolina. Failure to approve the degree would result in having to eventually close the Nurse Anesthesia program.

Student Report

Dr. Sothmann introduced Mr. Brandan Hagan, the newly elected SGA President, who talked briefly about upcoming student activities.

Recommendation of Administration: That this report be received as information

Recommendation of Committee: That this report be received as information.

Board Action:

Item 13. Degree Programs

Statement: At the request of the Dean of the College of Health Professions, administration presented for approval, the following non-degree certificate and degree programs

Non-Degree Certificate in Science in Health Informatics

Master of Science in Health Informatics

Doctor of Nurse Anesthesia Practice

Recommendation of Committee: Concern was expressed regarding the lack of clarifying fiscal information within each of the three program proposals being submitted. Dr. Sothmann agreed that fiscal forecasting needed to be standardized in future proposals. He emphasized that RCM will require deans to be responsible for their funding decisions.

Recommendation of Administration: That these proposals be approved.

Recommendation of Committee: A motion was made to approve the three proposals and passed with one opposed.

Board Action:

Item 14. Other Committee Business

Statement: Additional items were submitted for approval as follow:

A. Item 15. Faculty Promotions

Statement: At the request of the Dean of the South Carolina College of Pharmacy, administration presents for approval, the following faculty promotion, effective July 1, 2012

South Carolina College of Pharmacy

From Assistant Professor to Associate Professor, non-tenure track

Shannon J. Drayton, Pharm.D., Department of Clinical Pharmacy and Outcome Sciences to be effective July 1, 2012

B. Item 16. Faculty Appointments

Statement: At the request of the Deans of the colleges of Health Professions and Medicine, administration presents for approval, the following faculty appointments:

College of Health Professions

Matthew P. Malcolm, Ph.D., as Associate Professor in the Department of Health Professions, Division of Occupational Therapy, effective July 1, 2012. Dr. Malcolm's primary appointment rests in the Department of Health Sciences and Research.

College of Medicine

Edward W. Cheeseman, Jr., M.D., as Associate Professor, on the Clinician Educator track, in the Department of Ophthalmology, effective August 1, 2012

Andrew S. Eiseman, M.D., as Associate Professor, on the Clinician Educator track, in the Department of Ophthalmology, effective September 4, 2012

Geoffrey R. McKee, Ph.D., as Clinical Professor in the Department of Psychiatry and Behavioral Sciences, effective June 1, 2012

Bruce I. Ovbiagele, M.D., as Professor with tenure, on the Academic Clinician track, in the Department of Neurosciences, Division of Neurology, effective September 1, 2012

Dr. Ovbiagele also will serve as co-Chair of the Department of Neurosciences, and will hold the Admiral Paul E. Pihl Endowed Chair of Neuroscience

Don C. Rockey, M.D., as Professor with tenure, on the Clinician Educator track, in the Department of Medicine, Division of Gastroenterology and Hepatology, effective September 1, 2012

Dr. Rocky also will serve as Chair of the Department of Medicine

C. Item 17. Changes in Faculty Status

Statement: At the request of the Dean of the College of Dental Medicine, administration presents for approval, the following change in faculty status:

Donald Edward Collins, D.M.D., from Professor to Professor Emeritus in the Department of Oral Rehabilitation, effective August 1, 2012

D. Item 18. Endowed Chair Appointments

Statement: at the request of the Dean of the College of Medicine, administration presents for approval the following endowed chair requests:

Carolyn D. Britten, M.D., as the SmartState Charles Westerfield Coker Distinguished Endowed Chair in Gastrointestinal Malignancy, effective July 1, 2012

Bruce I. Ovbiagele, M.D., as the Admiral Paul E. Pihl Endowed Chair of Neuroscience, effective September 1, 2012

Recommendation of Administration: That these items be approved.

Recommendation of Committee: That these items be approved.

Board Action:

EDUCATION, FACULTY AND STUDENT AFFAIRS COMMITTEE. CHAIRMAN: Dr. Conyers O'Bryan
August 10, 2012

CONSENT AGENDA

Item 15. Faculty Promotions

Statement: At the request of the deans of the colleges of Medicine and Pharmacy, administration presented for approval, the following faculty promotions, effective January 1, 2013

College of Medicine

From Associate Professor to Professor: Clinician Educator track without tenure

Abid Irshad, M.B.B.S., Department of Radiology and Radiological Science

Sandra L. Fowler, M.D., Department of Pediatrics, Division of Infectious Disease

From Assistant Professor to Associate Professor: Academic Investigator track

Kelley M. Argraves, Ph.D., Department of Regenerative Medicine and Cell Biology

From Assistant Professor to Associate Professor: Academic Clinician track

Peter W. Tuerk, Ph.D., Department of Psychiatry and Behavioral Sciences

From Assistant Professor to Associate Professor: Clinician Educator track

Nicholas I. Batalis, M.D., Department of Pathology and Laboratory Medicine

Geoffrey A. Forbus, M.D., Department of Pediatrics, Division of Pediatric Cardiology

Joshua D. Hornig, M.D., Department of Otolaryngology – Head and Neck Surgery

Michelle P. Hudspeth, M.D., Department of Pediatrics, Division of Hematology/Oncology

Christian J. Streck, M.D., Department of Surgery, Division of Pediatric Surgery

From Clinical Assistant Professor to Clinical Associate Professor: Modified Clinical track

John B. Sperry, Jr., M.D., Department of Pediatrics, Division of General Pediatrics

South Carolina College of Pharmacy

From Assistant Professor to Associate Professor, non-tenure track

Shannon J. Drayton, Pharm.D., Department of Clinical Pharmacy and Outcome Sciences to be effective July 1, 2012

Recommendation of Administration: That these faculty promotions be approved.

Recommendation of Committee: That these faculty promotions be approved.

Board Action:

Item 16. Faculty Appointments

Statement: At the request of the deans of the colleges of Health Professions, Medicine, Nursing, and the Department of Library Science and Informatics, administration presented for approval, the following faculty appointments:

College of Health Professions

Matthew P. Malcolm, Ph.D., as Associate Professor in the Department of Health Sciences and Research, effective July 1, 2012

College of Medicine

Walter S. Bartynski, M.D., as Professor, on the Clinician Educator track, in the Department of Radiology and Radiological Science, effective July 1, 2012

David G. Bundy, M.D., as Associate Professor, on the Academic Clinician track, in the Department of Pediatrics, Division of General Pediatrics, effective August 6, 2012

Carolyn D. Britten, M.D., as Associate Professor, on the Academic Clinician track, in the Department of Medicine, Division of Hematology/Oncology, effective July 1, 2012

Matthew J. Carpenter, Ph.D., (dual appointment) as Associate Professor in the Department of Family Medicine, effective July 1, 2012

Dr. Carpenter's primary appointment rests in the Department of Psychiatry and Behavioral Sciences.

Sharon J. Kaminer, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

Mark S. Kindy, Ph.D., (dual appointment) as Professor in the Department of Regenerative Medicine and Cell Biology, effective May 1, 2012

Dr. Kindy's primary appointment rests in the Department of Neurosciences, Division of Neuroscience Research.

Oscar F. Lovelace, Jr., M.D., as MUSC AHEC Clinical Professor (Charleston, Family Medicine), effective retrospective to July 1, 2011

John C. Maize, Sr., M.D., (dual appointment) as Professor, in the Department of Pathology and Laboratory Medicine, effective August 1, 2012. Dr. Maize's primary appointment rests in the Department of Pathology.

David G. Malpass, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

Ashli J. Sheidow, Ph.D., (dual appointment) as Associate Professor in the Department of Pediatrics, Division of Pediatric Emergency Medicine, effective July 1, 2012. Dr. Sheidow's primary appointment rests in the Department of Psychiatry and Behavioral Sciences.

C. Osborne Shuler, III, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

Susan J. Simonian, Ph.D., as Adjunct Associate Professor in the Department of Psychiatry and Behavioral Sciences, effective June 1, 2012

J. Antonio Quiros, M.D., as Associate Professor, on the Clinician Educator track, in the Department of Pediatrics, Division of Gastroenterology, effective July 1, 2012

Matthew M. Wienecke, M.D., as MUSC AHEC Clinical Associate Professor (Charleston, Pediatric Cardiology), effective June 1, 2012

College of Nursing

Tamera Pearson, Ph.D., FNP, ACNP, as Associate Professor, on the Educator Clinician track, in the Department of Nursing, effective July 16, 2012

Recommendation of Administration: That these faculty appointments be approved

Recommendation of Committee: That these faculty appointments be approved.

Board Action:

Item 17. Changes in Faculty Status

Statement: : At the request of the deans of the Colleges of Dental Medicine and Medicine, administration presented for approval the following changes in faculty status:

College of Dental Medicine and Medicine

Yi-Te Hsu, Ph.D., from Research Associate Professor to Associate Professor, on the Academic Investigator/Educator track, in the Department of Biochemistry and Molecular Biology, effective July 1, 2012

College of Medicine

Eric R. Lacy, Ph.D., from Professor to Professor Emeritus, in the Department of Regenerative Medicine and Cell Biology, effective July 1, 2012

John C. Maize, Sr., M.D., from Clinical Professor to Professor, on the Clinician Educator track, in the Department of Dermatology, effective July 1, 2012

John K. Orak, M.D., from Associate Professor to Professor Emeritus, in the Department of Pediatrics, Division of Nephrology, effective April. 17, 2012

Girish S. Shirali, M.D., from Professor to Adjunct Professor, in the Department of Pediatrics, Division of Pediatric Cardiology, effective July 1, 2012

H. Del Schutte, M.D., from Associate Professor to Clinical Associate Professor in the Department of Orthopaedic Surgery, effective July 1, 2012

Recommendation of Administration: That these changes in faculty status be approved

Recommendation of Committee: That these changes in faculty status be approved

Board Action:

Item 18. Endowed Chairs

Statement: : At the request of the Dean of the College of Medicine, administration presented for approval, the following endowed chair appointment:

Donna D. Johnson, M.D., as the Lawrence L. Hester Professor of Obstetrics and Gynecology Endowed Chair, effective July 1, 2012

Recommendation of Administration: That this endowed chair appointment be approved.

Recommendation of Committee: That this endowed chair appointment be approved.

Board Action:

Item 19. Distinguished University Professors

Statement: Administration presented for approval, the following Distinguished University Professor appointment:

Perry V. Halushka, Ph.D., M.D., Professor and Dean, College of Graduate Studies,
as Distinguished University Professor, effective August 10, 2012

Recommendation of Administration: That the appointment of Dr. Perry Halushka as
Distinguished University Professor be approved.

Recommendation of Committee: That the appointment of Dr. Perry Halushka as
Distinguished University Professor be approved.

Board Action:

June 13, 2012

MEMORANDUM

TO: Lisa Saladin, PhD, Dean
College of Health Professions

FROM: Karen A. Wager, DBA, Professor and Associate Dean for Student Affairs
James Zoller, PhD, Professor and Chair, Department of Healthcare Management and Leadership

SUBJECT: Proposal for Non-Degree Certificate and Master of Science in Health Informatics

Attached are proposals for two new programs in health informatics, a non-degree certificate and a master's degree program, both of which would be offered by the Department of Healthcare Management and Leadership within the College of Health Professions. As you know, these proposals were presented to the CHP Leadership Council in May 2012 and received unanimous support. We believe they are now ready for review and approval by the Dean's Council and President's Council. Our hope is that the proposals will then move forward for final approval at the August 2012 MUSC Board of Trustee meeting.

The two program offerings we are recommending is in response to the growing demand for health informatics trained professions. The first is a non-degree certificate program in health informatics. This program would be offered in a continuing education format and delivered via distance education technology with periodic face-to-face onsite class sessions. Designed for working professionals, the certificate program is an intensive 5 module sequence intended to provide individuals with the knowledge and skills needed to assist in the successful selection, implementation and effective use of electronic health record (EHR) systems. We anticipate that working clinicians and individuals with information systems backgrounds will be well suited for the program. Two additional modules will be offered for those who do not have the requisite computer science and/or health care background needed for the program. We are currently exploring the possibility of offering CEU credits through AHEC.

The second proposal is for a Master of Science degree in health informatics. This is a 45 credit hour program of study that is also designed with the working health professional in mind. Courses would be offered via distance education technology with one onsite session each semester. The program is designed to prepare individuals for leadership roles in planning, implementing and evaluating health information system projects (including health information exchange), and for assuming a pivotal roles in leading data analytic activities. With health care and payment reform initiatives well underway, hospital and other health care executives need individuals who can effectively lead EHR projects and other health information system projects and optimize workflow and care processes. They also need individuals with strong data analytical skills who are able to manage population health data effectively.

Both proposals were developed in collaboration with university leaders in biomedical informatics and in conjunction with the Chair of the Department of Computing and Information Sciences at the College of Charleston. They were also reviewed and approved by the faculty in the Department of Healthcare Management and Leadership, which is the department in which the programs would be housed.

**College of Health Professions
Department of Healthcare Leadership and Management**

Non-Degree Certificate in Health Informatics

Justification of need for the proposed program

We propose to offer a non-degree certificate program in health informatics, designed primarily for working health care professionals. This program is in response to the growing demand for individuals who have the knowledge, skills and abilities to select, implement, use, and evaluate health care information systems, such as electronic health record (EHR) and data management and analytic systems. Currently, many health care organizations, like MUSC, are in the midst of implementing or upgrading their EHR systems. Driven largely by the influx of federal incentive dollars made available through the Health Information Technology for Economic and Clinical Health Information (HITECH) Act of 2009, eligible hospitals and physician practices are seeking to not only adopt EHR systems, but demonstrate “meaningful use”. To demonstrate that providers are meaningful users of EHR systems, they must achieve certain thresholds and quality indicators. Providers who fail to achieve meaningful use by 2015 will see a reduction in Medicare payments. Furthermore, hospitals and health care providers are looking to EHRs and other forms of health information technology to improve patient safety, ensure quality, and reduce unnecessary and duplicate care. With impending changes in how providers are reimbursed (shift from fee-for-service to outcomes/quality), health care providers must have the tools to easily capture, analyze and act on patient- and population-level health information. Individuals skilled in health informatics will be critical to the organization’s success.

Our proposed certificate program will be offered as non-credit courses and delivered through a combination of online and on-campus sessions, tailored to meet the unique needs of busy working health care professionals. We conducted a recent market analysis survey of several hospitals in South Carolina and found that 8 responding hospitals ranging in size from 90 to 1200 beds expressed intent to hire 96 new employees with certificate training over the next two years. Additionally, numerous national reports indicate a high demand for health information workers at all levels. A recent national survey found that 70% of health insurers, 48% of hospitals and 39% of pharmaceutical/life sciences plan to increase hiring of health informatics professionals over the next two years (PWC, 2012). The Bureau of Labor Statistics predicts employment in computer systems design and related services will grow by 48% by 2018. Concurrently, health care jobs will grow by 4 million, accounting for 26% of all jobs in the US economy (Bureau of Labor Statistics, 2011). Healthcare CIOs indicate their biggest barrier to implementing EHRs is a shortage of IT staff, including those with clinical expertise (CHIME, 2010). Hospital executives and health care providers will need to be comfortable and “agile” in defining and getting optimal value from their clinical information systems. Organization will need individuals skilled in data analytics in order effectively manage patient care in cost-effective manner.

Anticipated program demand and productivity

We expect an enrollment of 15-20 students and year one, and subsequently 25 students a year.

Assessment of extent to which the proposed program duplicates existing programs in the state:

Based upon our research, we could find no certificate program in health informatics offered in the state of South Carolina.

According to the SC Commission on Higher Education (CHE), there is one baccalaureate program in Health Information Management offered at the University of South Carolina Upstate, and three associate degree programs in health information management. These are offered at Greenville Technical College, Midlands Technical College, and Florence-Darlington Technical College. The focus of these educational programs is different however than what we are proposing. These programs prepare individuals to manage medical record departments and perform medical record technical functions such as coding, release of information, and record management.

The College of Hospitality, Retail and Sport Management at the University of South Carolina has proposed a master's degree in health information technology that is to start in the fall 2012.

Relationship of the proposed program to existing programs at the proposing institution:

The Department of Healthcare Management and Leadership within the College of Health Professions at MUSC is ideally suited to offer this certificate program. By its very nature, the Department and College are interdisciplinary and bring together faculty and students from a wide range of health professions. This proposal was developed with widespread input from biomedical informatics experts across campus including Drs. Iain Sanderson, Jihad Obeid, and Robert Warren. All have expressed interest in teaching in the program. Furthermore, we consulted with Dr. Rita Snyder, Endowed Chair, University of South Carolina, who specializes in nursing informatics. Dr. Karen Wager is author of a nationally recognized leading textbook in health informatics and has extensive experience in the evaluation of HIT implementation. Dr. Abby Kazley, Associate Professor in the Department of Healthcare Management and Leadership has expressed interest in teaching in the program. Dr. Kazley has done a considerable amount of research on the impact of health IT on quality, safety and efficiency.

Relationship of the proposed program to other institutions via inter-institutional cooperation:

We are proposing to offer this certificate program and the new master's in health informatics (see separate proposal) in collaboration with the College of Charleston's computer science department. The College of Charleston currently offers a Master of Science in Computing and Information Sciences with a major in Discovery Informatics. The Discovery Informatics major provides students an introduction to the field by developing their quantitative abilities in statistics, data mining, and database management.

Proposed admission criteria and sequence of course modules

The following admission criteria will be used in selecting students/participants to enroll in the proposed health informatics certificate program.

Admission Requirements:

- Completed application
- Associate degree or baccalaureate degree from accredited university with GPA of 2.8 or higher*
- Resume or curriculum vitae
- Basic computer skills and technical competency; demonstrated interest in health care IS*
- Personal statement indicating why you wish to pursue certificate

- 2 letters of recommendation attesting to academic ability, professional competency, and personal qualifications
- Personal interview (phone/Skype or in person)

The certificate program will include five learning modules and a practicum experience. Each module will be 8 weeks in length and require one on-campus session per session. The modules are designed to prepare individuals to serve as practice workflow and information management redesigned specialists, clinical/practitioner consultants, and implementation managers, as defined by the Office of the National Coordinator in Health Information Technology. See link for full description of roles. Students who do not have a health care background

http://healthit.hhs.gov/portal/server.pt/gateway/PTARGS_0_0_5194_1419_16937_43/http%3B/wci-publiccontent/publish/onc/public_communities/f_j/grants/cd_faq_1/files/health_it_workforce_6_month_roles_as_of_06_03_10.pdf

*Students who do not have a health care background and/or demonstrated computer proficiency may be required to complete one or both of the following pre-requisite learning modules before beginning the certificate program.

We are exploring the opportunity to offer CEUs through AHEC.

Pre-requisite Modules

- ***Health Care Delivery Systems***— This module provides an introduction to the organization and utilization of health services as well as an introduction to health policy and politics in the United States. The module provides an overview of the historical development of the U.S. health system and services. Additionally, in analyzing current health system structures, the course will demonstrate the inter-relationship of system components, present basic concepts and issues associated with the management and regulations of health care services delivery, and also explore the impact of contemporary public policy issues confronting the health care system (e.g. payment reform).
- ***Fundamental of Computing and Computation***—This module provides an introduction to the principles of computer science, programming languages, and data modeling. It is designed for individuals who do not have an IS-related background or strong computer skills.

Module Sequence and Practicum:

- ***Introduction to Health Care Information Systems***—This module provides an overview of various clinical and administrative information systems used in health care, including current and emerging technologies. Key topics include electronic health record (EHR) systems, decision support systems, computerized provider order entry, e-prescribing, telemedicine/telehealth, Web 2.0 technologies, and consumer-oriented applications. Students are also introduced to the broad spectrum of clinical, data and messaging standards needed to achieve interoperability and health information exchange.

- **Project Management**— This module is designed to develop and enhance students skills in managing complex projects in health care organizations. Learning activities will focus on the planning, selection, implementation, and evaluation of health care information systems, including EHR systems. Students will learn the foundational principles of project management such as planning, scheduling, resource allocation, monitoring and system evaluation.
- **Workflow Redesign and Process Improvement**—This module provides students with an understanding of tools and methods used for analyzing and improving workflow. Key topics include process analysis, process mapping, process redesign, quality improvement techniques, and leading and facilitating change.
- **Database Management and Data Analytics**—This module provides an overview of different strategies for representing data, information and knowledge. Key topics include relational data bases, static and dynamic information models, taxonomy and ontology, logic, and data analysis. Focus is given to the use of data, information and knowledge representation methods to analyze and solve problems (e.g., patient care, quality, process improvement).
- **Leadership and Management of Health IT** —This module focuses on leadership roles, principles of leadership and effective management of teams. Emphasis on the leadership modes and styles best suited to health IT deployment. Students gain insight into leadership traits and theories, change management, effective leadership of teams, and the role of leadership in health care information system projects.
- **Practicum**-Each student will complete an 8 week practicum in a health care facility of their choice. The practicum will provide the student with hands on experience in participating in some aspect of a health IT project. Students will conduct a project in which they must demonstrate competency in systems planning, work flow analysis, implementation and evaluation.

Faculty:

Certificate modules will be taught by a combination of full-time DHLM residential faculty and selected adjunct faculty. Additionally, lecturers will be invited from the Center for Health Quality (CHQ), a Centers of Economic Excellence Program of HSSC, MUSC OCIO, MUHA, and the College of Charleston Computing and Information Sciences department.

Budget

Revenue		Amount
	Tuition (\$800/module)	\$120,000
	FRD tax (5%)	(\$6,000)
Total Revenue		\$114,000
Expense		
Personnel		
	Faculty	\$31,620
Marketing		
	Travel	\$650
	Advertising	\$15,000
	Mailings	\$2,000
Materials		
	Printing	\$125
	Books (\$50/student)	\$7,500
Other		
	Registration fees (123Signup)	\$4,500
Total Expense		\$61,395
Rev-Exp		\$52,605

College of Health Professions
Department of Healthcare Leadership and Management
Master of Science in Health Informatics Proposal

Justification of need for the proposed program

We propose to offer a 45 credit hour Master of Science in Health Informatics, designed primarily for working health care professionals. This program is in response to the growing demand for individuals who have the knowledge, skills and abilities to select, implement, use, and evaluate health care information systems (such as electronic health records (EHRs) and data management and analytic systems), lead organizational efforts in health IT, and have the data analytical skills to transform the care delivery process. Currently, many health care organizations are in the midst of implementing or upgrading their EHR systems. Driven largely by the influx of federal incentive dollars made available through the Health Information Technology for Economic and Clinical Health Information (HITECH) Act of 2009, eligible hospitals and physician practices are seeking to not only adopt EHR systems, but demonstrate “meaningful use.” To demonstrate that providers are meaningful users of EHR systems, they must achieve certain thresholds and quality indicators. Providers who fail to achieve meaningful use by 2015 will see a reduction in Medicare payments. Furthermore, with impending changes in how providers are reimbursed (shift from fee-for-service to outcomes/quality), health care providers must have the tools to easily capture, analyze and act on patient- and population-level health information. Individuals trained in health informatics with strong leadership and data analytical skills will be critical to the organization’s success.

Our proposed master’s degree program will be delivered using a combination of online and on-campus sessions, tailored to meet the unique needs of busy working health care professionals. We conducted a recent market analysis survey of several hospitals in South Carolina and found that 8 responding hospital organizations ranging in size from 90 to 1200 beds expressed intent to hire a total of 96 new employees with informatics certificate training and 23 new employees with informatics master degree training over the next two years. Based on a ratio of staff to hospital beds we expect a statewide need of approximately 415 new certificate trained and 71 master degree trained healthcare informatics specialists in South Carolina within the next 2 years. National reports indicate a high demand for health information workers at all levels. A recent national survey found that 70% of health insurers, 48% of hospitals and 39% of pharmaceutical/life sciences plan to increase hiring of health informatics professionals over the next two years (PWC, 2012). The Bureau of Labor Statistics predicts employment in computer systems design and related services will grow by 48% by 2018. Concurrently, health care jobs will grow by 4 million, accounting for 26% of all jobs in the US economy (Bureau of Labor Statistics, 2011). Healthcare CIOs indicate their biggest barrier to implementing EHRs is a shortage of IT staff, including those with clinical expertise (CHIME, 2010). Organizations also need individuals skilled in data analytics in order effectively manage patient care in a cost-effective manner.

Anticipated program demand and productivity

We expect an enrollment of 15 participants in the first cohort with a class to 25 in two to three years. We anticipate enrolling the first cohort of students in fall 2013 and graduating the first students in spring 2015.

Assessment of extent to which the proposed program duplicates existing programs in the state:

The College of Hospitality, Retail and Sport Management at the University of South Carolina is starting a master’s degree in health information technology. Although the new program at USC has

some similarity to our proposed MS in Health Informatics, there are some key differences. Our proposed program targets *working health care professionals* and/or those with *experience in information systems*. The new program at USC has as its admission criteria students with any undergraduate degree. Our goal is to prepare graduates who may assume leadership roles in planning, selecting, implementing and evaluating clinical information systems, and who possess strong data mining and data analytical skills. Health care leaders need graduates who cannot only implement EHR-type systems effectively, but are skilled in analyzing data from clinical data warehouses to optimize patient care and reduce costs. The proposed program at USC appears to have the system implementation component, but does not focus on clinical data analytics and comparative effectiveness research. It is also housed in a non-health related college (Hospitality, Retail and Sport Management).

We believe that the projected demand for graduates is great enough in the state to support both degree programs, each with its unique focus. MUSC is well equipped to offer a high quality graduate program given our tight association with MUSC Medical Center, the maturity of health IT use and experience at MUSC, the strength of our faculty, and the fact that we have a long successful history of offering educational programs in an executive format. MUSC is the only Clinical and Translation Science Award (CTSA) recipient in South Carolina and health informatics is *central* to the educational mission of CTSA. The success of MUSC's CTSA is heavily reliant on having a solid health informatics educational program. We intend to seek program accreditation from the Commission on Accreditation for Health Informatics and Information Management (CAHIIM) Education.

Except for the proposed master's program in HIT at USC, the only existing health information management related programs in the state are at the associate and undergraduate levels. These programs have a different student target market and prepare individuals for different roles in health information management.

Relationship of the proposed program to existing programs at the proposing institution:

The Department of Healthcare Management and Leadership (DHLM) at MUSC is ideally suited to offer this master's degree program. The Department currently offers a Master in Health Administration program in two formats, residential and executive, and a Doctoral program in Health Administration and Leadership, delivered in an executive format and online. Currently, there is no health informatics degree program at MUSC. Although physically housed in DHLM, the proposed program will be delivered using faculty expertise throughout MUSC.

Health informatics experts (outside the College of Health Professions) involved in the proposal and the curriculum design include Dr. Iain Sanderson, Professor and Endowed Chair, SC Centers of Economic Excellence for Medical Informatics; Dr. Jihad Obeid, Associate Professor and Endowed Chair for Biomedical Informatics; and Dr. Robert Warren, Professor and Chief Medical Information Officer. All have expressed interest in teaching in the program.

Within DHML, Dr. Abby Kazley, Associate Professor has also expressed interest in teaching in the program. Dr. Kazley has done a considerable amount of research on the impact of health IT on quality, safety and efficiency. Dr. Karen Wager, Professor, will also play a key role. Dr. Wager is author of a nationally recognized leading textbook in health informatics and has extensive experience in the evaluation of HIT implementation. Dr. Kit Simpson will also serve as a contributing instructor. Dr. Simpson has worked extensively with health care provider organizations on data analytics with archival clinical databases. With the faculty talent we currently have at MUSC in the area of health informatics and health care leadership, coupled with our plans to hire one new faculty member, we are well positioned to offer a high quality educational program.

Relationship of the proposed program to other institutions via inter-institutional cooperation:

The proposed MS in health informatics would be offered in collaboration with select faculty from the College of Charleston’s computer science department. The College of Charleston currently offers a Master of Science in Computing and Information Sciences with a major in Discovery Informatics. Drs. Chris Starr and Paul Anderson from the College of Charleston have expressed an interest in teaching 2 of the courses in the proposed master’s degree program. Dr. Rita Snyder, Professor and Endowed Chair in Nursing Informatics at the University of South Carolina has also agreed to guest lecture and conduct collaborative research.

Outline of Curriculum*

<u>Year 1</u>	<u>Year 2</u>
<p><i>Fall Semester, Year 1</i></p> <ul style="list-style-type: none"> • Health Care Delivery Systems • Introduction to Health Care Information Systems • Data Organization, Process and Networks <p><i>Spring Semester, Year 1</i></p> <ul style="list-style-type: none"> • Health Care Management and Leadership • Health Care Data—Content, Standards and Knowledge Discovery • Applied Statistical Methods for Decision Making in Health Care <p><i>Summer Semester, Year 1</i></p> <ul style="list-style-type: none"> • Systems Analysis and Design • Ethical, Legal and Regulatory Issues in Health Informatics • Seminar in Health Informatics 	<p><i>Fall Semester, Year 2</i></p> <ul style="list-style-type: none"> • Data Management and Data Analytics • Strategy Management for Health Care Systems • Project Management <p><i>Spring Semester, Year 2</i></p> <p>Advanced Health Information Technology Practicum/Field Project Elective (3 SH)—from approved listing</p> <p><i>Research Option—</i> Research Methods in Health Informatics Thesis</p>

Estimated Cost of Program

<u>Expense category</u>	<u>Amount</u>
Faculty (full-time and adjunct) salaries and benefits	\$237,836
Staff support	\$31,803
Student recruitment	\$17,750
Supplies and materials	\$5,000
Other	\$5,000
Total	\$297,389

**DOCTOR OF NURSE ANESTHESIA PRACTICE (DNAP)
MEDICAL UNIVERSITY OF SOUTH CAROLINA
PROGRAM PLANNING SUMMARY**

NUMBER OF CREDIT HOURS IN THE PROGRAM

The proposed Doctor of Nurse Anesthesia (DNAP) degree will build upon the current Master's degree program, the Master of Science in Nurse Anesthesia (MSNA) and transition to a 118-credit hour entry-level DNAP degree program. In addition we propose adding a 27-credit hour Post-Master's DNAP degree completion option for Certified Registered Nurse Anesthetists (CRNA) with a Master's degree.

PROPOSED DATE OF IMPLEMENTATION

Post-Master's Doctor of Nurse Anesthesia Practice degree program	May 2014
Entry-level Doctor of Nurse Anesthesia Practice degree program	May 2015

JUSTIFICATION OF NEED FOR THE PROPOSED PROGRAM

The accrediting organization for nurse anesthesia programs, the Council on Accreditation (COA) has mandated that no nurse anesthesia program will be accredited or reaccredited after 2018 unless they offer a practice doctorate degree. The primary reason for this transition is to improve the quality of care delivered by nurse anesthetists in a variety of current and future healthcare delivery systems and to develop the leadership skills necessary for innovative clinical practice that will emerge during the process of healthcare reform.

Since the next reaccreditation for the MUSC Nurse Anesthetist Program is scheduled for 2019, this transition will position us to meet these future changes in accreditation standards. If neither of the nurse anesthesia programs in South Carolina (SC) are allowed to transition to the clinical doctorate, both programs will lose accreditation and close. The impact on the CRNA workforce in South Carolina will be severe, especially in the rural hospitals where CRNAs are often the primary anesthesia providers. At the MUSC hospital, approximately 60% of the anesthetics are provided by nurse anesthetists under the anesthesia care team model. Loss of the MUSC AFN program would leave a critical shortage of anesthesia providers necessitating delay or cancellation of scheduled surgical procedures. Of those CRNAs who practice at MUSC, 60% are graduates of the MUSC AFN Program.

Without a DNAP degree program in SC, prospective applicants will have to apply to out-of-state doctoral programs. If the registered nurses who want to obtain a nurse anesthetist degree have to leave the state to obtain their education, many may not return upon graduation. With the new accreditation standards from the COA requiring transition to a doctoral degree program, many current CRNAs, including those who work in SC, have already begun seeking doctoral degree opportunities. At the present time, these potential applicants must look out-of-state to continue their education. Currently 50% of the 105 accredited nurse anesthesia programs are in the process of, or have already transitioned to offer the practice doctorate.

The addition of a Post-Master's DNAP degree program will allow existing CRNAs to complete their doctorates and remain competitive for future practice opportunities and leadership positions.

ANTICIPATED PROGRAM DEMAND AND PRODUCTIVITY

The existing entry-level nurse anesthesia program has a current application pool of 120-140 applicants per year with an average class size of 26-28. The Department of Labor Statistics indicates that the current demand for entry-level CRNAs is unlikely to change. A recent (2010) report from the Rand Corporation concluded that there are shortages in the labor markets for both anesthesiologists (ANs) and CRNAs at the national level. They estimated a shortage of 3,800 ANs and 1,282 CRNAs nationally with more than 54 percent of the states experiencing a shortage of ANs, and more than 60 percent reporting a shortage of CRNAs. In the Southern US, 43% of employers reported a need to increase the number of CRNAs at their facilities to meet the current demand.

The demand for the proposed Post-Masters Doctor of Nurse Anesthesia Practice Degree will be strong initially as existing CRNAs complete their doctorates. The demand for similar degree completion programs at other institutions has averaged 20 students per year. There are currently 44,000 nurse anesthetists in the USA, of which 50% will need to complete their nurse anesthesia doctorates in the next 5-10 years.

ASSESSMENT OF DUPLICATION TO EXISTING PROGRAMS IN THE STATE

The MUSC Nurse Anesthesia program is one of only two programs in the state of SC. The other program is at the University of South Carolina (USC). Currently, the USC Nurse Anesthesia Program does not meet the requirements to transition to the doctoral level as it has no doctoral prepared faculty members. Presently, these faculty members are not pursuing practice-doctoral level degrees.

RELATIONSHIP OF PROPOSED PROGRAM TO EXISTING PROGRAMS AT MUSC

Housed in the College of Health Professions, the MUSC Nurse Anesthesia program enjoys opportunities for interprofessional collaboration with other healthcare practitioners, researchers and administrators. These relationships are enhanced by the presence of the Doctor of Healthcare Administration (DHA) Program. Collaboration with the DHA faculty and researchers will allow the nurse anesthesia students to explore greater opportunities in healthcare leadership.

Although the MUSC College of Nursing (CON) offers an advanced degree, the Doctor of Nursing Practice (DNP) degree in adult, pediatric or family nursing, nurse anesthesia does not fit into any of these categories in either content or course intensity. The CON programs do not include entry-level practice requirements or course work to meet the newly required doctoral degree standards mandated by the COA. The basic course work required to become a nurse anesthetist is very prescriptive in the intensity of education required for pharmacology, anatomy and physiology, technology and basic and advanced principles of anesthesia care. Therefore, transitioning CHP master's entry level nurse anesthesia students into the current DNP program in the College of Nursing at MUSC is not a viable option. The current structure of Doctor of Nursing Practice (DNP) does not allow for collaboration as one of the key admission requirements states that, "CRNA's cannot apply for our Post-MSN DNP program." Because a large portion of existing applicants to the current Nurse Anesthesia Program do not hold a Bachelor of Science in Nursing (BSN) degree, they would be disqualified from admission into the CON DNP Program.

RELATIONSHIP OF PROPOSED PROGRAM TO OTHERS VIA INTER-INSTITUTIONAL COOPERATION

Currently none

OUTLINE OF CURRICULUM

The proposed curriculum will offer 32 additional credit hours to our existing 86 hour Master of Science in Nurse Anesthesia Degree Program. These additional credits include Anesthesia Practicum (clinical education courses) and Anesthesia Seminar courses, as well as new courses in acquisition of knowledge of healthcare policy, informatics and management. These courses will better prepare nurse anesthetists for their role in healthcare policy development and departmental leadership.

New courses are indicated in BOLD. Courses with "" included in DNAP degree completion*

Summer 1		CR
*AFN-868	Foundations in Health Policy	3
*AFN-861	Foundations in Leadership	3
AFN-510	Professional Aspects of Anesthesia Practice	2
*AFN 871	Strategic Management of Change	3
AFN-651	Health and Human Assessment	4
Fall I		
AFN-527	Human Anatomy for Nurse Anesthetists	5
AFN-584	Advanced Physiology/Pathophysiology	5
AFN-630	Research Methods for Nurse Anesthesia	3
AFN-631	Introduction to Clinical Pharmacology	3
Spring 1		
*AFN-807	Managing Health Care Information Systems	3
AFN-628	Advanced Pharmacology: Anesthetic Drugs	3
AFN-511	Chemistry and Physics of Anesthesia	4
AFN-525	Basic Principles of Anesthesia Practice	3

Summer II		
AFN-526	Advanced Principles of Anesthesia Practice	5
AFN-582	Anesthesia Seminar	1
AFN-532	Introduction to Clinical Anesthesia	2
*AFN-801	Seminar in Financial Management	3
Fall II		
AFN-541	Anesthesia Practicum	5
AFN-583	Anesthesia Seminar	1
*AFN-XXX	Evidence Based Anesthesia Practice	3
Spring II		
AFN-641	Anesthesia Practicum	5
*AFN-XXX	Management Principles for Nurse Anesthesia	3
*AFN-681/990	AFN Capstone Project	2
Summer III		
AFN-642	Anesthesia Practicum	10
AFN-XXX	Anesthesia Seminar	1
AFN-682/990	AFN Capstone Project	2
AFN-XXX	Advanced Principles of Pain Management	3
Fall III		
AFN-643	Anesthesia Practicum	10
AFN-XXX	Anesthesia Seminar	1
AFN-683/990	AFN Capstone Project	2
Spring III		
AFN-644	Anesthesia Practicum	10
AFN-XXX	Anesthesia Seminar	1
AFN-XXX	AFN Capstone Project	1
	Total credit hours	118

COSTS OF IMPLEMENTATION AND BUDGET

It is anticipated that this proposal will result in additional \$30,000 of expenses for the additional course instruction. No additional revenue will be requested from the State in relation to this proposal.

Budget

Income

State Appropriations	\$ 232,555
Tuition & Fees	\$2,013,816
Continuing Education Revenue	\$ 115,000
Clinical Revenue	\$ 74,236
Direct Revenue	\$2,434,634

Expenses

Salaries and fringe	\$ 591,727	
New Course Personnel	\$ 30,000	(5 new @ \$6000/course)
Operating		
Contractual	\$ 74,030	(Physiology, research, anatomy)
Supplies	\$ 28,000	
Travel and meetings	\$ 2,350	
Fixed Charges	\$ 5,450	
Other	\$ 43,210	
University/College Cost Pool	\$1,514,510	
Total Expenses	\$2,290,277	

COMMITTEE ON FINANCE AND ADMINISTRATION
August 9, 2012
Minutes

Attendees:

Mr. Charles W. Schulze, Chair	Dr. Phil Costello
Dr. Stanley C. Baker, Jr.	Ms. Annette Drachman
Mr. William H. Bingham, Sr.	Ms. Susie Edwards
Dr. Cotesworth P. Fishburne, Jr.	Mr. Dennis Frazier
Mr. William B. Hewitt	Mr. John Malmrose
Dr. Harold Jablon	Ms. Lisa Montgomery
Dr. E. Conyers O'Bryan, Jr.	Dr. Etta Pisano
Dr. Thomas C. Rowland, Jr.	Ms. Gina Ramsey
Thomas L. Stephenson, Esquire	Ms. Reece Smith
The Honorable Robin M. Tallon	Mr. Stuart Smith
Dr. Charles B. Thomas, Jr.	Mr. Ravi Srinivas
Dr. James E. Wiseman, Jr.	Dr. Mark Sothmann
Mr. Allan E. Stalvey, Emeritus	Dr. Darlene Shaw
Dr. Raymond S. Greenberg	Mr. Patrick Wamsley
Ms. Susan Barnhart	
Mr. John Cooper	

Mr. Schulze called the meeting to order.

REGULAR Items

Item 20 MUSC Budget for Fiscal Year 12-13

Mr. Ravi Srinivas stated the proposed budget had previously been distributed to the Board members. He reviewed the material and asked for approval of the operating and capital budgets as presented.

Recommendation of Committee: That the budgets be approved.

Item 21 Major Purchase

Mr. Montgomery presented the annual management service contract between MUSC and the MUSC Foundation for Research Development in the amount of \$1,050,000 for approval.

Recommendation of Committee: That the contact be approved.

Item 21 Financial Status Report of the Medical University of South Carolina

Patrick Wamsley presented the June 30, 2012 Interim University Financials. He reported that at June 30th the University had 71 Days of Operating Cash, a Change in

Net Assets of \$27.5 million and a Current Funds margin of .04%. Mr. Wamsley explained that the major factors affecting net assets were the reduction of Capital Grants and Gifts, Additions to Endowment as well as a material loss in investments for the fiscal year. He also noted that Federal Grant revenues were being closely monitored.

Recommendation of Committee: That the report be received as information.

Item 22 Financial Status Report of MUSC Physicians

Ms. Gina Ramsey reported that MUSC Physicians collections are up 1% from last year and days in AR are now 38. The Operating Margin is 11.7% and is on budget. Total Margin is 1.7% which is down from last year due to the investment market, transfers and supplemental Medicaid funding. Cash on hand is 241 day which is down due to the opening of the East Cooper facility and implementation of EPIC. The financial statements remain strong.

Recommendation of Committee: That this report be received as information.

Item 23 Financial Status Report of the MUSC Foundation for Research Development

No Report.

Recommendation of Committee: That this report be received as information

Item 24 Other Committee Business.

Ms. Gina Ramsey presented the MUSC Physicians Operating and Capital Budgets for FY 2013 for approval.

Recommendation of Committee: That the Budgets be approved as presented.

There being no further business, the meeting was adjourned.

**ACADEMIC
MAJOR PURCHASES FOR
BOARD OF TRUSTEES' APPROVAL
August 10, 2012**

Description of Purchase: Management service contract with MUSC Foundation for Research Development. Services include management services relating to technology transfer, economic development and collaborative endeavors with the private sector on behalf of the University.

Estimated Cost of Purchase: \$1,050,000

Requisition Number:

Department Name(s) and UDAK numbers(s): VP for Academic Affairs and Provost – MUCU
1020000 10601 4225

Department Contact Person: Dr. Mark Sothmann, VP for Academic Affairs and Provost

Name of Procurement Specialist: Rosalind Giddens

Method of Purchase: Sole Source – This type of purchase is necessary when needs demand an item(s) be supplied through a sole offeror and written justification is submitted from the requestor to that effect. *(The Foundation for Research development is a sole source due to its ability to gather the extensive range of services for one organization that meets the Medical University's educational and research mission. The MUSC Foundation for Research Development is the only organization that can provide this continuity of services).*

Vendor Name (If Sole Source): The MUSC Foundation for Research Development.

New Purchase ___ Yes X No

New Contract for Existing Services? X Yes ___ No

Extension of Existing Contract? ___ Yes X No

Replacement of Existing Item(s) ___ Yes X No

Name of Item(s) Being Replaced: Not applicable to this purchase.

Name and Value of Equipment the Requested Purchase Will Be Used In Conjunction With: N/A

Name of Equipment: N/A

Value: N/A

How Will This Purchase Benefit MUSC: MUSC Foundation for Research Development (Foundation) is a not-for-profit entity established to enhance MUSC's research and service programs while at the same time advancing healthcare and economic development in South Carolina and the nation. Its goal is the development of new relationships between MUSC and businesses, especially as related to technology transfer.

Why and How This Purchase Will Benefit MUSC By Having a Vendor Provide This Service vs. MUSC Staff Providing the Service: It will ensure the Research Foundation and MUSC's operations are developed in a manner that guarantee consistency with MUSC's goals and objectives and compliance with Federal regulations. MUSC does not have the ability to provide this service.

**ACADEMIC
FINANCIAL INFORMATION
MAJOR PURCHASES
BOARD OF TRUSTEES' APPROVAL
August 10, 2012**

Item to be approved for purchase: Management service contract with MUSC Foundation for Research Development.

- 1. Source of Revenue/Savings:** Increased revenue from intellectual property and research support.
- 2. Amount of Revenue/Savings to be generated:** To be determine; however, in excess of the contract amount.
- 3. Initial cost:**
 - a. Item:** \$1,050,000
 - b. Physical Plant Requirements (renovations):** N/A
- 4. Annual cost (Maintenance, supplies, etc.):** N/A
- 5. Personnel Cost (to include base salary, fringes, training, etc.):** No additional personnel required for this purchase.
- 6. Financial Analysis:** The MUSC Foundation for Research Development has significantly increased revenues generated from intellectual property derived by MUSC faculty and staff providing increased resources for the University. Additionally, the Foundation has provided considerable research and other support to University departments, thereby reducing the state resources required. The amount being requested includes another year of support for the Office of Industry Partnerships (OIP), which is responsible for providing strategic growth for the Medical University of south Carolina's (MUSC) industry relationships including sponsored R&D and clinical trials.

**Medical University of South Carolina
Physical Facilities Committee
August 9, 2012
Minutes**

Attendees:

Mr. William H. Bingham, Sr., Chair	Dr. Phil Costello
Mr. William B. Hewitt	Ms. Annette Drachman
Dr. Cotesworth P. Fishburne, Jr.	Ms. Susie Edwards
Dr. Harold Jablon	Mr. Dennis Frazier
Dr. Donald R. Johnson II	Mr. John Malmrose
Dr. Thomas C. Rowland, Jr.	Ms. Lisa Montgomery
Mr. Charles W. Schulze	Dr. Etta Pisano
Thomas L. Stephenson, Esquire	Ms. Gina Ramsey
The Honorable Robin M. Tallon	Dr. John Sanders
Dr. Charles B. Thomas, Jr.	Ms. Reece Smith
Dr. James E. Wiseman, Jr.	Dr. Mark Sothmann
Dr. Raymond S. Greenberg	Dr. Darlene Shaw
Ms. Julie Acker	Mr. Patrick Wamsley
Ms. Susan Barnhart	
Mr. John Cooper	

Mr. Bingham called the meeting to order.

REGULAR Items

Item 26 Update on Projects.

None

Recommendation of Committee Received as information.

Item 27 Other Committee Business

Facilities Procurements/Contracts Proposed.

Mr. John Malmrose presented the following for approval:

- New Project to relocate laboratory space from the Walton Research Building to the BSB. Total estimated budget: \$800,000.

Recommendation of Committee: That the procurements/contracts be approved as presented.

Dr. Tommy Rowland stated he had a neighbor who expressed interest in purchasing the Sebring-Aimar House from the University. After discussion, the board decided the University would be interested in selling the property at the market value. Dr. Rowland would notify his neighbor of the University's interest in a discussion of the sale of the property.

CONSENT Items for Information:

Item 28 Facilities Contracts Awarded

The facilities contracts since the last board meeting were presented for information.

Recommendation of Committee: That this report be received as information.

With no further business, the meeting was adjourned.

Respectfully submitted,

Celeste Jordan

FACILITIES

ACADEMIC/RESEARCH

ESTABLISH PROJECT

FOR APPROVAL

August 10, 2012

PROJECT TITLE: Walton Research Building Laboratory Space Relocation

PROJECT NUMBER: To Be Determined

TOTAL ESTIMATED BUDGET: \$ 800,000

SOURCE(S) OF FUNDS: College of Medicine Clinical Revenues

JUSTIFICATION: At the December 2011 Board meeting, a capital project was approved to undertake a major renovation in the Walton Research Building, permanently removing four floors of lab research space and replacing it with office activities. That project replaces the HVAC system to provide adequate ventilation and the electrical gear for the Building because parts are no longer made for the 1960's vintage system.

This project will be a series of contracts which will relocate the laboratory occupants and functions from the Walton Research Building to a portion of the 7th floor of the Basic Science Building. The project will include laboratory up fits including casework, ventilation and electrical service to support research activities that include three electron microscopes used by the Department of Pathology and Laboratory Medicine. The manufacturer of the microscopes has already performed vibration and electrical field testing to assure that the new location can support the equipment.

Funding for this project will come from College of Medicine clinical revenues.

**Medical University of South Carolina
Audit Committee
August 9, 2012
Minutes**

Attendees:

Mr. William B. Hewitt, Chair	Ms. Annette Drachman
Dr. Stanley C. Baker, Jr.	Ms. Lisa Montgomery
Mr. William H. Bingham, Sr.	Dr. Etta Pisano
Dr. Cotesworth P. Fishburne, Jr.	Ms. Reece Smith
Dr. Harold Jablon	Dr. Mark Sothmann
Dr. E. Conyers O'Bryan, Jr.	Dr. Darlene Shaw
Dr. Thomas C. Rowland, Jr.	Mr. Patrick Wamsley
Mr. Charles W. Schulze	
Thomas L. Stephenson, Esquire	
The Honorable Robin M. Tallon	
Dr. Charles B. Thomas, Jr.	
Dr. James E. Wiseman, Jr.	
Mr. Allan E. Stalvey, Emeritus	
Dr. Raymond S. Greenberg	
Ms. Ally Abernathy	
Ms. Susan Barnhart	

Mr. Hewitt called the meeting to order.

REGULAR Items

Item 29. Report of the Office of Internal Audit.

Mr. Hewitt stated Ms. Susan Barnhart, Director of Internal Audit, had provided a written report to the Board. There were no questions regarding the report.

Recommendation of Committee: That the report be received as information.

Item 30. Other Committee Business.

A presentation was made by Mr. Jim Otto and Ms. Rachel Marling with the Hay Group on the concept of the design of an executive incentive plan. At the conclusion of the presentation, the Board agreed to move forward with the concept as quickly as possible. The Board directed Mr. Hewitt, Mr. Schulze and Ms. Montgomery to prepare specifics of criteria for the plan to be submitted to the Board at its October 2012 meeting.

Respectfully Submitted,

Celeste Jordan