

MINUTES
MEDICAL UNIVERSITY OF SOUTH CAROLINA
BOARD OF TRUSTEES MEETING
October 8, 2010

The Board of Trustees of the Medical University Hospital Authority convened Friday, October 8, 2010, with the following members present: Mr. Thomas L. Stephenson, Esquire, Chairman; Dr. James E. Wiseman, Jr., Vice Chairman; Dr. Stanley C. Baker, Jr.; Mr. Melvyn Berlinsky; Mr. William H. Bingham, Sr.; Dr. Cotesworth P. Fishburne, Jr.; Mr. William B. Hewitt; Dr. E. Conyers O'Bryan, Jr.; Thomas C. Rowland, Jr.; Mr. Charles W. Schulze; The Honorable Robin M. Tallon; and Dr. Charles B. Thomas, Jr. Emeritus: Mr. Allan E. Stalvey. Absent: Dr. Donald R. Johnson II; Dr. Paula E. Orr; Dr.

The following administrative officials were present: Dr. Raymond S. Greenberg, President; Dr. Mark Sothmann, Interim Vice President for Academic Affairs and Provost; Dr. Etta Pisano, Vice President for Medical Affairs, and Dean, College of Medicine; Ms. Lisa Montgomery, Vice President for Finance and Administration; 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. Lisa Saladin, College of Health Professions; Dr. Etta Pisano, College of Medicine; Dr. Philip Hall, College of Pharmacy; Dr. Joseph DiPiro, South Carolina College of Pharmacy; Dr. Gail Stuart, College of Nursing; Dr. Perry Halushka, College of Graduate Studies.

Item 1. Call to Order-Roll Call.

There being a quorum present, Chairman Thomas 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, December 10, 2010.

Item 3. Approval of Minutes of the Regular Meeting of the Medical University of South Carolina Board of Trustees of August 13, 2010, and the Special Called Meeting on September 7, 2010.

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

RECOMMENDATIONS AND INFORMATIONAL REPORTS OF THE PRESIDENT.

OLD BUSINESS: None.

NEW BUSINESS:

Item 4. General Informational Report of the President.

Dr. Jack Feussner introduced Dr. George Simon who has been at the University since August, 2010. He is an associate professor in the division of Hematology and Medical Oncology and holds the Burtschy Family Chair in lung cancer research. In the Hollings Cancer Center, he leads the lung cancer research investigation

component for the SC COEE tobacco-related malignancies. Dr. Simon was an undergraduate in India before moving to the United States where he finished his internal medicine training at St. Joseph's in Denver, Colorado. He completed a fellowship in hematology oncology at University of Colorado Health Sciences Center in Denver. He was most recently at Fox Chase Cancer Center in Philadelphia where he led the thoracic oncology program. He is a superb clinician as well as a very successful investigator with over fifty peer reviewed publications. We are pleased to have Dr. Simon at MUSC.

Dr. Simon talked about the development of the thoracic oncology program at MUSC. He discussed the vision, mission and goals of the program.

Dr. Greenberg gave a brief report on the institutional goals and key issues of the coming year. He elaborated on the following:

- Evaluate the structure of the Division of Basic Sciences
- Implement the Center for Global Health
- Explore creation of the Center for Entrepreneurship
- Pursue opportunities to increase statewide visibility and coordinate communication
- Continue to evaluate alternative funds flow models
- Sustain, and if possible, grow philanthropic support
- Recruit a new Vice President for Academic Affairs and Provost
- Recruit a new Chair of Pediatrics
- Begin recruitment for a new Chair of Ophthalmology
- Appoint a new campus dean for the SC College of Pharmacy
- Explore the creation of global health educational opportunities
- Complete construction of the Drug Discovery and Bioengineering Buildings
- Sustain, and if possible, grow research funding
- Continue to recruit for unfilled Centers of Economic Excellence endowed chairs
- Implement health disparities grant
- Pursue strategies to reduce costs by 5% in hospital
- Complete assessment of strategies to expand bed capacity
- Explore opportunities for strategic partners
- Select an ambulatory electronic health record
- Explore creation of an entity to coordinate telemedicine

Dr. Greenberg also distributed a final copy of the strategic plan as well as a list of his activities since the last board meeting.

Recommendations of Administration: That these reports be received as information.

Board Action: Received as information.

Item 5. 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

Item 6. General Report of the Associate Provost for Research.

Statement: Dr. Fishburne reported that Dr. Steve Lanier gave a report to committee on the increase in research grants and activity.

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 7. General Report of the Vice President for Development.

Statement: Dr. Fishburne stated Mr. Jim Fisher had reported that, in spite of the recession, MUSC had a miraculous increase in contributions.

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 CEO of the MUSC Foundation.

Statement: Dr. Fishburne stated Ms. Robyn Frampton gave a report to committee in Tom Anderson's absence. The total assets of the Foundation continue to increase.

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

Statement: Dr. Fishburne stated Mr. Chip Hood had provided a report on the Foundation's activities to the 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. Other Business. None

EDUCATION, FACULTY AND STUDENT AFFAIRS COMMITTEE. CHAIRMAN: MR. MELVYN BERLINSKY. (Detailed committee minutes are attached to these minutes).

OLD BUSINESS: None.

NEW BUSINESS:

Item 11. General Report of the Vice President for Academic Affairs and Provost.

Statement: Mr. Berlinsky stated the following reports had been presented to the committee:

Vice President for Academic Affairs Report

MUSC Wins Dr. Sothmann reported MUSC university wins for the new fiscal year, which included a successful Faculty Convocation, a successful student orientation, the success of the Dental Medicine and Nursing accreditation site visits that resulted in no recommendations; and incoming grants to four of our colleges in excess of \$1 million each focused on primary care.

Student Update

Mr. Tyler Pierce, President of SGA, introduced Ms. Carol Brown, as the SGA Academic Vice President. Mr. Pierce briefly commented on the positive responses from students on the new student orientation, the success of the 2nd annual MUSC Art Walk with 850 students participating, and his participation in the Governor's Higher Education Summit.

James B. Edward College of Dental Medicine Update

Dr. Sanders gave a presentation on the impact that the new Dental Medicine Building has had on the College. He discussed the positive benefits of the increased space and aesthetic effect on applicants; the advantages, both in time and cost, of new digital and laser technologies being implemented; and increased benefits for students using the simulation labs. Future revenues, costs, and space issues were also discussed. Dr. Sanders was congratulated on the successful accreditation site visit.

Regular and Consent Agenda

All Regular and Consent agenda items were approved unanimously. The Committee also unanimously approved additional items under Other Committee Business, as follow: the overall increase in tuition and fees for FY2011 to be revised to 7% or less, by adjusting the Spring and Summer tuition and fees accordingly; a three-month sabbatical leave for Dr. Kathleen Brady; university center designation for the Center for Rehabilitation Sciences; and the appointment of Dr. David Soper as the J. Marion Sims Endowed Chair in Obstetrics and Gynecology.

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 12. General Report of the Vice President for Medical Affairs.

Statement: Mr. Berlinsky stated Dr. Pisano briefly discussed with committee the need to engage the State's business leaders to advocate for higher education; plans to formulate strategically for a more effective implementation of the next fiscal year budget; and the status of the Pediatrics and Ophthalmology Chairs.

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 13. Academic Fee for Endodontic Residency Program.

Statement: At the request of the Dean of the James B. Edwards College of Dental Medicine, administration presented for approval the request to establish academic charges for the Endodontic Residency Program. The charges will be equivalent to the tuition and fees for first-year dental students, effective August 1, 2010, and adjusted annually thereafter.

Recommendation of Administration: That this request to establish academic charges for the Endodontic Residency Program be approved.

Recommendation of Committee: That this request to establish academic charges for the Endodontic Residency Program be approved.

Board Action: A motion was made, seconded and unanimously approved to establish academic charges for the Endodontic Residency Program as presented.

Item 14. Other Committee Business.

- Amendment to FY2010-2011 Academic Charges and Fees.

Statement: The overall average increase in tuition and fees at the Medical University of South Carolina for Academic Year 2010-2011 will be revised to 7.0 percent or less, by adjusting the Spring and Summer tuition and fees accordingly.

Recommendation of Administration: That this amendment be approved.

Recommendation of Committee: That this amendment be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the overall average increase in tuition and fees at the Medical University of South Carolina for Academic Year 2010-2011 be revised to 7.0 percent or less, by adjusting the Spring and Summer tuition and fees accordingly.

- Sabbatical Leave.

Statement: At the request of the Dean of the College of Medicine, administration presented for approval a three-month sabbatical for Kathleen T. Brady, M.D., Ph.D., Distinguished University Professor, beginning December 28, 2010 through March 15, 2011.

Recommendation of Administration: That this request for sabbatical leave be approved.

Recommendation of Committee: That this request for sabbatical leave be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the sabbatical leave for Dr. Kathleen Brady.

- University Center Designation.

Statement: At the request of the Dean of the College of Health Professions, administration presented for approval center designation for the following center, effective October 8, 2010.

Center for Rehabilitation Sciences

Recommendation of Administration: That this center be approved for university center designation.

Recommendation of Committee: That this center be approved for university center designation.

Board Action: A motion was made, seconded and unanimously voted to approve the Center for Rehabilitation Sciences as a University center.

- Endowed Professorships (Informational).

Statement: At the request of the Dean of the College of Medicine, administration presented as information the following Endowed Professorship appointments, effective October 8, 2010:

David E. Soper, M.D., Professor, Department of Obstetrics and Gynecology, as the J. Marion Sims Endowed Chair in Obstetrics and Gynecology

Recommendation of Administration: That this endowed chair appointment be received as information.

Recommendation of Committee: That this endowed chair appointment be received as information.

Board Action: Received as information.

Item 15. Faculty Appointments.

Statement: At the request of the deans of the College of Medicine and Nursing, administration presented the following faculty appointments:

College of Medicine

Ruth C. Campbell, M.D., M.S., as Associate Professor, on the Clinician Educator track, in the Department of Medicine, Division of Nephrology, effective October 1, 2010

Jennifer Joi Jaroscak, M.D., as Associate Professor on the Clinician Educator track, in the Department of Pediatrics, Division of Hematology/Oncology, effective September 1, 2010

Jane E. Joseph, Ph.D., as Professor with tenure on the Academic Investigator track in the Department of Neurosciences, Division of Neuroscience Research, effective August 1, 2010

Stephen Kresovich, M.D., as Professor on the Academic Investigator track, in the Department of Biochemistry and Molecular Biology, Division of Basic Sciences, effective September 1, 2010.

Dr. Kresovich will hold the South Carolina Centers of Excellence Endowed Chair in Marine Biomedicine.

George R. Simon, M.D., as Associate Professor on the Academic Clinician track, in the Department of Medicine, Division of Hematology/Oncology, effective August 1, 2010.

Dr. Simon will be joining MUSC as Endowed Chair and Director of Lung Cancer Clinical Investigations within the Center of Economic Excellence in Tobacco-Related Malignancy Research.

Shaoli Sun, M.D., as Clinical Associate Professor in the Department of Pathology and Laboratory Medicine, effective September 1, 2010

College of Nursing

Frank A. Treiber, Ph.D., as Professor with tenure in the Department of Nursing, effective August 16, 2010

Dr. Treiber will hold the endowed chair position in the Center of Economic Excellence Technology Center to Advance Healthful Lifestyles.

Recommendation of Administration: That these faculty appointments be approved.

Recommendation of Committee: That these faculty appointments be approved.

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

Item 16. Tenure Recommendations.

Statement: At the request of the Dean of the College of Medicine and the Executive Dean of the South Carolina College of Pharmacy, their respective AP&T Committees, and the University Tenure Committee, administration presented for approval, the following faculty tenure recommendations, effective October 8, 2010:

College of Medicine

Michael J. Kern, Ph.D., Associate Professor, Department of Regenerative Medicine and Cell Biology (*Academic Investigator/Educator track*); joint appointment in the Department of Craniofacial Biology, College of Medicine

Yiannis Koutalos, Ph.D., Associate Professor, Department of Ophthalmology (*Academic Investigator track*); dual appointment in the Department of Neurosciences, Division of Neurological Surgery

Antonieta Lavin, Ph.D., Associate Professor, Department of Neurosciences, Division of Neuroscience Research (*Academic Investigator track*)

S. Erin Presnell, M.D., Associate Professor, Pathology and Laboratory Medicine (*Clinician Educator track*)

Baerbel M. Rohrer, Ph.D., Associate Professor, Department of Ophthalmology (*Academic Investigator track*); dual appointment in the Department of Neurosciences, Division of Neuroscience Research

South Carolina College of Pharmacy

Zhi Zhong, M.D., Ph.D., Associate Professor, Department of Pharmaceutical and Biomedical Sciences, South Carolina College of Pharmacy

Recommendation of Administration: That these faculty tenure recommendations be approved.

Recommendation of Committee: That these faculty tenure recommendations be approved.

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

Item 17. Changes in Faculty Status.

Statement: At the request of the Dean of the College of Medicine, administration presented for approval, the following changes in faculty status:

Paul S. Morgan, Ph.D., from Associate Professor to Adjunct Associate Professor, in the Department of Radiology and Radiological Sciences, effective June 1, 2010.

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. Faculty Promotions.

Statement: At the request of the Dean of the College of Medicine, administration presented for approval, South Carolina AHEC faculty, effective January 1, 2011:

Adirene Z. Ables, Pharm.D., as MUSC AHEC Professor (Spartanburg/Family Medicine)

Richard Kenneth Orr, M.D., M.P.H. as MUSC AHEC Professor (Spartanburg/Surgery)

Charles Eugene Morrow, M.D., as MUSC AHEC Associate Professor (Spartanburg/Surgery)

Christophe Liem Nguyen, M.D., as MUSC AHEC Associate Professor (Spartanburg/Surgery)

Recommendation of Administration: That these SC AHEC faculty promotions be approved.

Recommendation of Committee: That these SC AHEC faculty promotions be approved.

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

Item 19. University Center Designation.

Statement: At the request of the Dean of the College of Medicine, administration presented for approval center designation for the following center, effective October 8, 2010.

Center for Biomedical Imaging

Recommendation of Administration: That this center be approved for university center designation.

Recommendation of Committee: That this center be approved for university center designation.

Board Action: A motion was made, seconded and unanimously voted to approve the Center for Biomedical Imaging as a university center.

INFORMATIONAL ITEMS

Item 20. Endowed Professorships.

Statement: At the request of the Dean of the College of Dental Medicine, administration presented as information the following Endowed Professorship appointments, effective October 8, 2010:

Samir M. Fakhry, M.D., Professor, Department of Surgery, Division of General Surgery, as the Charles F. Crews Endowed Chair in General Surgery

Leonard E. Egede, M.D., Professor of Medicine, Department of Medicine, Division of General Internal Medicine, and Director of the Center for Healthcare Disparities, as the Allen Johnson Endowed Chair in General Internal Medicine and Geriatrics

Recommendation of Administration: That these endowed chair appointments be received as information.

Recommendation of Committee: That these endowed chair appointments be received as information.

Board Action: Received as information.

Item 21. Post-Tenure Review Approval.

Statement: At the request of the Dean of the College of Dental Medicine, administration presented as information the following post-tenure review approvals:

Ronald A. Bell, D.D.S., Professor, Department of Pediatric Dentistry and Orthodontics

Robert G. Gellin, D.M.D., M.H.S., Professor, Department of Stomatology

J. Robert Holmes, D.D.S., Professor, Department of Oral Rehabilitation

Recommendation of Administration: That these post-tenure review approvals be received as information.

Recommendation of Committee: That these post-tenure review approvals be received as information.

Board Action: Received as information.

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

OLD BUSINESS: None.

NEW BUSINESS:

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

Statement: Mr. Schulze said 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 University Medical Associates.

Statement: Mr. Schulze said a report had been presented to the committee on the finances of University Medical Associates.

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: Mr. Schulze said a report was given to the committee on the MUSC Foundation for Research Development.

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. Facilities Procurements/Contracts Proposed.

Statement: Mr. Bingham presented the following for approval:

- Renovation to Clinical Sciences Building Sixth Floor College of Medicine Suite Renovation: Total Estimated Budget: \$1.4M

- Replace Basic Science Building Fire Alarm System: Total Estimated Budget: \$670,000
- Replace Harborview Office Tower Building Fire Alarm System: Total Estimated Budget: \$380,000.
- Basic Science Building east Side Exhaust & Emergency Power Improvements: Firm selected: RMF Engineering
- Thurmond Gazes Building Exterior Envelope Repairs: Firm selected: ADC Engineering

Recommendation of Administration: That these procurements/contracts be approved.

Recommendation of Committee: That these procurements/contracts be approved.

Board Action: A motion was made, seconded and unanimously voted to approve the procurements/contracts as presented.

Item 27. Update on Projects.

Statement: Mr. Bingham stated that Mr. Malmrose had given an update to Committee on the DDB and the Bio-Engineering Building for information.

Recommendation of Administration: That this be received as information.

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

Board Action: The report was received as information.

Item 28. Other Committee Business.

Item 29. Facilities Contracts Awarded.

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: THOMAS L. STEPHENSON, ESQUIRE (Detailed committee minutes are attached to these minutes).

OLD BUSINESS: None

NEW BUSINESS:

Item 30. MUSC Annual Compliance Update.

Statement: Mr. Stephenson stated the annual compliance report of the University had been provided 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 31. UMA Annual Compliance Update.

Statement: Mr. Stephenson stated the UMA annual compliance report had been provided 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 32. Report of Internal Auditor.

Statement: Mr. Stephenson stated a report had been provided to committee by 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 33. Other Committee Business. None

OTHER BUSINESS FOR THE BOARD OF TRUSTEES:

Item 34. 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 35. New Business for the Board of Trustees.

Chairman Stephenson stated, if there were no objections from the Board, the committee chairs would be re-elected and Mr. Hewitt would be the new chair of the

Audit Committee. With no objection, the chairs were elected for a two-year term, by acclamation, as follows:

Research and Institutional Advancement Committee – Dr. Cotesworth P. Fishburne, Jr.
Education, Faculty and Student Affairs Committee – Mr. Melvyn Berlinsky
Finance and Administration Committee – Mr. Charles W. Schulze
University Physical Facilities Committee – Mr. William H. Bingham, Sr.
University Audit Committee – Mr. William B. Hewitt.

Item 36. Report from the Chairman.

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

Respectfully submitted,


Hugh B. Faulkner III
Secretary

/wcj
Attachments

Medical University of South Carolina

RESEARCH AND INSTITUTIONAL ADVANCEMENT COMMITTEE

MINUTES

Thursday, October 7, 2010

Committee Members Present: Mr. William H. Bingham, Sr., Dr. Cotesworth P. Fishburne, Jr., (Chair), Mr. William B. Hewitt, Dr. Paula E. Orr, Dr. Thomas C. Rowland, Jr., Mr. Thomas L. Stephenson, Esq., The Honorable Robin Tallon, Dr. James E. Wiseman, Jr.

Other Trustees Present: Dr. Stanley C. Baker, Jr., Mr. Melvyn Berlinsky, Mr. William B. Hewitt, Conyers O'Bryan, Jr., Mr. Charles W. Schulze, Dr. Charles B. Thomas, Jr.

University Officers and Committee Staff Present: Dr. Phil Costello, Mr. Jim Fisher, Ms. Robyn Frampton, Dr. Raymond S. Greenberg, Mr. William C. Hood, Dr. Stephen M. Lanier, Dr. Etta Pisano, Mr. Stuart Smith, Dr. Mark Sothmann, Dr. Joann Sullivan

Regular Agenda

Item 8. General Report of the Associate Provost for Research

Dr. Lanier presented the research activities report.

Dr. Lanier reviewed the FY10 Annual Research Report. Total extramural research funding to MUSC reached \$234M in FY10 – an ~8% increase from FY09. NIH continues to be the major source of extramural research funding (\$136M FY10). Corporate funding decreased from a FY09 high of \$45M to \$30.6 M for FY10. Research funding provided through the American Recovery and Reinvestment Act in FY10 totaled \$30.7M and is estimated at \$14M for FY11. For the first quarter of this new fiscal year, the university is on an accelerated pace with extramural research funding as compared to previous years.

Dr. Lanier noted that a series of presentations related to entrepreneurial activities, with an emphasis on drug development in conjunction with the completion of the Drug Discovery Building, are planned for the next several Research and Institutional Advancement Committee meetings. The first in this series was co-presented by Drs. Baerbel Rohrer and Craig Beeson on "Development of Neuroprotective Agents for Treatment of Retinal Degenerative Diseases". Their research is funded by the Foundation Fighting Blindness and the National Neurovision Research Institute, with technology support via Seahorse Biosciences. The company *MitoChem*, LLC, founded by Drs. Beeson and Rohrer, is in the early stages of drug development with future activities focused on chemical elaboration of lead molecules, formulation for delivery, preclinical toxicology and pharmacodynamics.

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 and Alumni Affairs

Mr. Fisher reported that through October 1, 2010, MUSC has received more than \$13 million in new gifts, pledges and pledge payments.

Mr. Fisher presented recent Association of American Medical Colleges (AAMC) data on gift giving for FY2009. He noted that mean total support declined by 19.1% at private institutions, and declined by 26.6% at public institutions. During that same time frame, MUSC support increased 5.2%. Additionally, total gifts of \$1 million plus declined nationally by 21.7%, whereas for MUSC those gifts increased 26.7%.

Mr. Fisher reported on significant gifts and pledges received recently, including several

new "supplemental" pledges. He noted that a member of our Capital Campaign Steering Committee and an emeritus member of the MUSC Foundation Board of Directors has pledged \$2 million to the Foundation. He also noted that members of the James W. Colbert family continue to honor and memorialize their father through additional support of the James W. Colbert Education Center and Library. MUSC has received more than \$500,000 from four children and additional sibling gifts are pending.

Mr. Fisher reported that the MUSC Alumni Office has secured 100 new memberships. The Office is also focusing efforts on keeping MUSC retirees engaged in MUSC-related activities, and has established a travel program.

Mr. Fisher reminded the Committee that nominees for the Board of Visitors are needed and must be approved at the December Board of Trustees meeting. He also noted that the campaign celebration, *A Promise Fulfilled*, will be held November 5, 2010 at the Charleston Place.

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

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

Board Action:

Item 10. General Report of the CEO of the MUSC Foundation

Ms. Robyn Frampton, Chief Financial Officer for the MUSC Foundation, represented Mr. Tom Anderson at the committee meeting. Ms. Frampton reported the following endowment investment returns:

	YTD 8/31/10	1 YR
MUSCF	1.0%	8.7%
Benchmark*	-1.2%	4.5%

*40% S&P 500, 25% EAFE, 35% Barclay's Aggregate Bond.

She noted that total assets increased by 12.9% for the trailing 12 months at 8/31/10 to a record \$354.4 M.

Four new Directors were elected to the Board: Roger G. Ackerman, retired Chairman and CEO, Corning Corporation, Kiawah Island, SC; Marcia G. Falk, philanthropist and Vice President Falk-Griffin Foundation, Pawley's Island, SC; Ben Navarro, CEO and Founder, Sherman Capital, Charleston, SC; and J.R. Richardson, a real estate investor from Hilton Head Island, SC. The new Chair and Vice-Chair for the board are Walter G. Seinsheimer, Chairman of Dolphin Architects & Builders, and Richard D. Elliott, President of Maverick Southern Kitchens, respectively.

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

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

Board Action:

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

Mr. Chip Hood reported on the following activities:

- A patent was issued for a wound healing peptide invented by MUSC researcher Rob Gourdie, Ph.D. The patent is licensed by FirstString, a startup based in Charleston.

Based on their successful Phase 1 study, FirstString is ready to commence a Phase 2 study for this peptide.

- An exclusive license was issued for a diagnostic with Lab21, a UK based diagnostic company with US headquarters in S.C. This agreement provides for the recoupment of \$57K in FRD out of pocket patent prosecution fees. The product is expected to be on the market in three (3) years.
- An option for a cancer therapeutic with a Charleston Pharma, a new startup to be based in Charleston, was executed.
- Our fully human monoclonal antibody discovery startup (Immunologix) successfully completed its initial investment raise (+\$1M) and has started operations in the new Innovation Center incubator. This deal allowed FRD to recoup \$58K in out of pocket patent prosecution expenses.
- Negotiations have been completed with a major device company for a funded research project (\$+500K) and option to resulting intellectual property.
- A Colorado based startup received its IND approval and will begin human clinical studies for a therapeutic licensed from MUSC and Univ. of Colorado.
- Bioengineering and neuroscience collaborations have resulted in four jointly invented (MUSC and Clemson) technologies with significant promise.
- The newly established Office of Industry Partnerships (OIP) is working closely with several departments within the College of Medicine to increase industry funding and net revenues. The OIP is bringing 20 to 30 new clinical trial opportunities a month to MUSC researchers for review and consideration.

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: MR. MELVYN BERLINSKY

October 8, 2010

MINUTES

Regular Agenda

Item 11. General Report of the Vice President for Academic Affairs

Statement: A General report was given by Dr. Mark Sothmann.

Mr. Stephenson made a motion to elect Mr. Melvyn Berlinsky as Chair of the Education, Faculty and Student Affairs Committee, which was unanimously approved.

Vice President for Academic Affairs Report

MUSC Wins Dr. Sothmann reported MUSC university wins for the new fiscal year, which included a successful Faculty Convocation, a successful student orientation, the success of the Dental Medicine and Nursing accreditation site visits that resulted in no recommendations; and incoming grants to four of our colleges in excess of \$1 million each focused on primary care.

Student Update

Mr. Tyler Pierce, President of SGA, introduced Ms. Carol Brown, as the SGA Academic Vice President. Mr. Pierce briefly commented on the positive responses from students on the new student orientation, the success of the 2nd annual MUSC Art Walk with 850 students participating, and his participation in the Governor's Higher Education Summit.

James B. Edward College of Dental Medicine Update

Dr. Sanders gave a presentation on the impact that the new Dental Medicine Building has had on the College. He discussed the positive benefits of the increased space and aesthetic effect on applicants; the advantages, both in time and cost, of new digital and laser technologies being implemented; and increased benefits for students using the simulation labs. Future revenues, costs, and space issues were also discussed. Dr. Sanders was congratulated on the successful accreditation site visit.

Regular and Consent Agenda

All Regular and Consent agenda items were approved unanimously. The Committee also unanimously approved additional items under Other Committee Business, as follow: the overall increase in tuition and fees for FY2011 to be revised to 7% or less, by adjusting the Spring and Summer tuition and fees accordingly; a three-month sabbatical leave for Dr. Kathleen Brady; university center designation for the Center for Rehabilitation Sciences; and the appointment of Dr. David Soper as the J. Marion Sims Endowed Chair in Obstetrics and Gynecology.

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

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

Board Action:

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

Statement: A general report was given by Dr. Etta Pisano.

Dr. Pisano briefly discussed the need to engage the State's business leaders to advocate for higher education; plans to formulate strategically for a more effective implementation of the next fiscal year budget; and the status of the Pediatrics and Ophthalmology Chairs.

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

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

Board Action:

Item 13. Academic Fee for Endodontic Residency Program

Statement: At the request of the Dean of the James B. Edwards College of Dental Medicine, administration presented for approval the request to establish academic charges for the Endodontic Residency Program. The charges will be equivalent to the tuition and fees for first-year dental students, effective August 1, 2010, and adjusted annually thereafter.

Recommendation of Administration: That this request to establish academic charges for the Endodontic Residency Program be approved.

Recommendation of Committee: That this request to establish academic charges for the Endodontic Residency Program be approved.

Board Action:

Item 14. Other Committee Business

A. Amendment to FY2010-2011 Academic Charges and Fees

Statement: The overall average increase in tuition and fees at the Medical University of South Carolina for Academic Year 2010-2011 will be revised to 7.0 percent or less, by adjusting the Spring and Summer tuition and fees accordingly.

Recommendation of Administration: That this amendment be approved.

Recommendation of Committee: That this amendment be approved.

Board Action:

B. Sabbatical Leave

Statement: At the request of the Dean of the College of Medicine, administration presented for approval a three-month sabbatical for Kathleen T. Brady, M.D., Ph.D., Distinguished University Professor, beginning December 28, 2010 through

March 15, 2011.

Recommendation of Administration: That this request for sabbatical leave be approved.

Recommendation of Committee: That this request for sabbatical leave be approved.

Board Action:

C. Item 19. University Center Designation

Statement: At the request of the Dean of the College of Health Professions, administration presented for approval center designation for the following center, effective October 8, 2010

Center for Rehabilitation Sciences

Recommendation of Administration: That this center be approved for university center designation.

Recommendation of Committee: That this center be approved for university center designation.

Board Action:

D. Item 20. Endowed Professorships (Informational)

Statement: At the request of the Dean of the College of Medicine, administration presented as information the following Endowed Professorship appointments, effective October 8, 2010:

David E. Soper, M.D., Professor, Department of Obstetrics and Gynecology, as the J. Marion Sims Endowed Chair in Obstetrics and Gynecology

Recommendation of Administration: That this endowed chair appointment be received as information.

Recommendation of Committee: That this endowed chair appointment be received as information.

Board Action:

EDUCATION, FACULTY AND STUDENT AFFAIRS COMMITTEE. CHAIRMAN: MR. MELVYN BERLINSKY

October

CONSENT AGENDA

Item 15. Faculty Appointments

Statement: At the request of the deans of the College of Medicine and Nursing, administration presented the following faculty appointments:

College of Medicine

Ruth C. Campbell, M.D., M.S., as Associate Professor, on the Clinician Educator track, in the Department of Medicine, Division of Nephrology, effective October 1, 2010

Jennifer Joi Jaroscak, M.D., as Associate Professor on the Clinician Educator track, in the Department of Pediatrics, Division of Hematology/Oncology, effective September 1, 2010

Jane E. Joseph, Ph.D., as Professor with tenure on the Academic Investigator track in the Department of Neurosciences, Division of Neuroscience Research, effective August 1, 2010

Stephen Kresovich, M.D., as Professor on the Academic Investigator track, in the Department of Biochemistry and Molecular Biology, Division of Basic Sciences, effective September 1, 2010.

Dr. Kresovich will hold the South Carolina Centers of Excellence Endowed Chair in Marine Biomedicine.

George R. Simon, M.D., as Associate Professor on the Academic Clinician track, in the Department of Medicine, Division of Hematology/Oncology, effective August 1, 2010.

Dr. Simon will be joining MUSC as Endowed Chair and Director of Lung Cancer Clinical Investigations within the Center of Economic Excellence in Tobacco-Related Malignancy Research.

Shaoli Sun, M.D., as Clinical Associate Professor in the Department of Pathology and Laboratory Medicine, effective September 1, 2010

College of Nursing

Frank A. Treiber, Ph.D., as Professor with tenure in the Department of Nursing, effective August 16, 2010

Dr. Treiber will hold the endowed chair position in the Center of Economic Excellence Technology Center to Advance Healthful Lifestyles.

Recommendation of Administration: That these faculty appointments be approved.

Recommendation of Committee: That these faculty appointments be approved.

Board Action:

Item 16. Tenure Recommendations

Statement: At the request of the Dean of the College of Medicine and the Executive Dean of the South Carolina College of Pharmacy, their respective AP&T Committees, and the University Tenure Committee, administration presented for approval, the following faculty tenure recommendations, effective October 8, 2010:

College of Medicine

Michael J. Kern, Ph.D., Associate Professor, Department of Regenerative Medicine and Cell Biology (*Academic Investigator/Educator track*); joint appointment in the Department of Craniofacial Biology, College of Medicine

Yiannis Koutalos, Ph.D., Associate Professor, Department of Ophthalmology (*Academic Investigator track*); dual appointment in the Department of Neurosciences, Division of Neurological Surgery

Antonieta Lavin, Ph.D., Associate Professor, Department of Neurosciences, Division of Neuroscience Research (*Academic Investigator track*)

S. Erin Presnell, M.D., Associate Professor, Pathology and Laboratory Medicine (*Clinician Educator track*)

Baerbel M. Rohrer, Ph.D., Associate Professor, Department of Ophthalmology (*Academic Investigator track*); dual appointment in the Department of Neurosciences, Division of Neuroscience Research

South Carolina College of Pharmacy

Zhi Zhong, M.D., Ph.D., Associate Professor, Department of Pharmaceutical and Biomedical Sciences, South Carolina College of Pharmacy

Recommendation of Administration: That these faculty tenure recommendations be approved.

Recommendation of Committee: That these faculty tenure recommendations be approved.

Board Action:

Item 17. Changes in Faculty Status

Statement: At the request of the Dean of the College of Medicine, administration presented for approval, the following changes in faculty status:

Paul S. Morgan, Ph.D., from Associate Professor to Adjunct Associate Professor, in the Department of Radiology and Radiological Sciences, effective June 1, 2010.

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. Faculty Promotions

Statement: At the request of the Dean of the College of Medicine, administration presented for approval, South Carolina AHEC faculty, effective January 1, 2011:

Adirenne Z. Ables, Pharm.D., as MUSC AHEC Professor (Spartanburg/Family Medicine)

Richard Kenneth Orr, M.D., M.P.H. as MUSC AHEC Professor (Spartanburg/Surgery)

Charles Eugene Morrow, M.D., as MUSC AHEC Associate Professor (Spartanburg/Surgery)

Christophe Liem Nguyen, M.D., as MUSC AHEC Associate Professor (Spartanburg/Surgery)

Recommendation of Administration: That these SC AHEC faculty promotions be approved.

Recommendation of Committee: That these SC AHEC faculty promotions be approved.

Board Action:

Item 19. University Center Designation

Statement: At the request of the Dean of the College of Medicine, administration presented for approval center designation for the following center, effective October 8, 2010

Center for Biomedical Imaging

Recommendation of Administration: That this center be approved for university center designation.

Recommendation of Committee: That this center be approved for university center designation.

Board Action:

INFORMATIONAL ITEMS

Item 20. Endowed Professorships

Statement: At the request of the Dean of the College of Dental Medicine, administration presented as information the following Endowed Professorship appointments, effective October 8, 2010:

Samir M. Fakhry, M.D., Professor, Department of Surgery, Division of General Surgery, as the Charles F. Crews Endowed Chair in General Surgery

Leonard E. Egede, M.D., Professor of Medicine, Department of Medicine, Division of General Internal Medicine, and Director of the Center for Healthcare Disparities, as the Allen Johnson Endowed Chair in General Internal Medicine and Geriatrics

Recommendation of Administration: That these endowed chair appointments be received as information.

Recommendation of Committee: That these endowed chair appointments be received as information.

Board Action:

Item 21. Post-Tenure Review Approval

Statement: At the request of the Dean of the College of Dental Medicine, administration presented as information the following post-tenure review approvals:

Ronald A. Bell, D.D.S., Professor, Department of Pediatric Dentistry and Orthodontics

Robert G. Gellin, D.M.D., M.H.S., Professor, Department of Stomatology

J. Robert Holmes, D.D.S., Professor, Department of Oral Rehabilitation

Recommendation of Administration: That these post-tenure review approvals be received as information.

Recommendation of Committee: That these post-tenure review approvals be received as information.

Board Action:

**Medical University of South Carolina
Audit Committee
October 7, 2010
Minutes**

Attendees:

Thomas L. Stephenson, Esquire, Chair	Dr. Phil Costello
Dr. Stanley C. Baker	Ms. Annette Drachman
Mr. Melvyn Berlinsky	Mr. Dennis Frazier
Mr. William H. Bingham, Sr.	Mr. Jim Fisher
Dr. Cotesworth P. Fishburne, Jr.	Mr. Joe Good
Mr. William B. Hewitt	Dr. Stephen Lanier
Dr. E. Conyers O'Bryan, Jr.	Mr. John Malmrose
Dr. Paula Orr	Ms. Lisa Montgomery
Dr. Thomas C. Rowland, Jr.	Ms. Jody O'Donnell
Mr. Charles W. Schulze	Dr. Etta Pisano
The Honorable Robin M. Tallon	Ms. Reece Smith
Dr. Charles B. Thomas, Jr.	Mr. Stuart Smith
Dr. James E. Wiseman, Jr.	Mr. Maurice Snook
Dr. Raymond S. Greenberg	Dr. Mark Sothmann
Mr. Hugh B. Faulkner, III	Mr. Mark Sweatman
The Honorable Robert C. Lake	Ms. Cindy Teeter
Mr. Allan Stalvey	Mr. Steve Valerio
Ms. Julie Acker	Mr. Patrick Wamsley
Ms. Susan H. Barnhart	

Mr. Stephenson called the meeting to order.

REGULAR Items

Item 30 MUSC Annual Compliance Update.

Ms. Cindy Teeter presented the MUSC Annual Compliance report to the board. She discussed compliance initiatives; university auditing and compliance office allegations and questions.

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

Item 31 UMA Annual Compliance Update.

Ms. Julie Acker presented the UMA Annual Compliance report to the board. She discussed compliance initiatives; university auditing and compliance office allegations and questions.

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

Item 32 Report of the Internal Auditor.

Mr. Stephenson reported Ms. Susan Barnhart had provided audit information to the Board and if they had any questions, she was available to respond.

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

Item 33 Other Committee Business. None.

Respectfully Submitted,

Celeste Jordan

**Medical University of South Carolina
Physical Facilities Committee
October 7, 2010
Minutes**

Attendees:

Mr. William H. Bingham, Sr., Chair	Dr. Phil Costello
Dr. Stanley C. Baker	Ms. Annette Drachman
Mr. Melvyn Berlinsky	Mr. Dennis Frazier
Dr. Cotesworth P. Fishburne, Jr.	Mr. Jim Fisher
Mr. William B. Hewitt	Dr. Stephen Lanier
Dr. E. Conyers O'Bryan, Jr.	Mr. John Malmrose
Dr. Paula Orr	Ms. Lisa Montgomery
Dr. Thomas C. Rowland, Jr.	Ms. Jody O'Donnell
Mr. Charles W. Schulze	Dr. Etta Pisano
Thomas L. Stephenson, Esquire	Ms. Gina Ramsey
The Honorable Robin M. Tallon	Mr. Stuart Smith
Dr. Charles B. Thomas, Jr.	Mr. Maurice Snook
Dr. James E. Wiseman, Jr.	Dr. Mark Sothmann
Dr. Raymond S. Greenberg	Mr. Steve Valerio
The Honorable Robert C. Lake	Mr. Patrick Wamsley
Mr. Allan Stalvey	
Ms. Susan H. Barnhart	

Mr. Bingham called the meeting to order.

REGULAR Items

Item 26 Facilities Procurements/Contracts.

Mr. John Malmrose presented the following for approval:

- Renovation to Clinical Sciences Building Sixth Floor College of Medicine Suite Renovation: Total Estimated Budget: \$1.4M
- Replace Basic Science Building Fire Alarm System: Total Estimated Budget: \$670,000
- Replace Harborview Office Tower Building Fire Alarm System: Total Estimated Budget: \$380,000.
- Basic Science Building east Side Exhaust & Emergency Power Improvements: Firm selected: RMF Engineering
- Thurmond Gazes Building Exterior Envelope Repairs: Firm selected: ADC Engineering

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

Item 27 Update on Projects.

Mr. John Malmrose provided a brief update on the Drug Discovery Building and the Bioengineering Building.

Recommendation of Committee: Received as information.

Item 28 Other Committee Business. None.

CONSENT Items for Information:

Item 29 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

COMMITTEE ON FINANCE AND ADMINISTRATION
October 7, 2010
Minutes

Attendees:

Mr. Charles W. Schulze, Chair	Dr. Phil Costello
Dr. Stanley C. Baker	Ms. Annette Drachman
Mr. Melvyn Berlinsky	Mr. Jim Fisher
Mr. William H. Bingham, Sr.	Mr. Joe Good
Dr. Cotesworth P. Fishburne, Jr.	Dr. Stephen Lanier
Mr. William B. Hewitt	Ms. Lisa Montgomery
Dr. E. Conyers O'Bryan, Jr.	Ms. Jody O'Donnell
Dr. Paula Orr	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.	Dr. Mark Sothmann
Dr. James E. Wiseman, Jr.	Mr. Mark Sweatman
Dr. Raymond S. Greenberg	Ms. Cindy Teeter
Mr. Hugh B. Faulkner, III	Mr. Steve Valerio
The Honorable Robert C. Lake	Mr. Patrick Wamsley
Mr. Allan Stalvey	
Ms. Julie Acker	
Ms. Susan H. Barnhart	

Mr. Schulze called the meeting to order.

REGULAR Items

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

Mr. Patrick Wamsley reported the financial situation at the University is stable. He reported as of August 2010, Adjusted Operating Revenues of \$80,343,200; Operating Expenses of \$85,771,500; SRECNA Change in Net Assets of \$3.8M; SRECNA Margin of 4.7%; Current Funds margin of -3.36%; Long-term Obligations of \$204,900,857; Federal Grant Revenues of \$22,504,411; UMA Transfers of \$6,789,173 and 60 days cash on hand.

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

Item 23 Financial Status Report of University Medical Associates

Ms. Gina Ramsey reported UMA charges as of August 2010 were 150.7; collections 40.2; operating margin of 17.8%; Margin 1.7%; Debt Service Coverage of 7.85 and 265 days cash on hand.

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

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

Ms. Michelle Garbiras reported the financial statements for the period ending August 31 reflected a decrease in net assets of \$3,800 which is attributable to the startup of Office of Industry Partnership. OIP has several contracts in process with many more leads in bringing new research to MUSC.

Recommendation of Committee: That this report be received as information

Item 25 Other Committee Business. None.

CONSENT AGENDA

None.

There being no further business, the meeting was adjourned.



Etta D. Pisano, M.D.
Vice President for Medical Affairs
and Dean
pisanoe@musc.edu

College of Medicine Dean's Office

96 Jonathan Lucas Street
Suite 601 • MSC 617
Charleston SC 29425
Tel 843 792 2842
Fax 843 792 2967
www.musc.edu

July 27, 2010

Dr. Mark Sothmann
Interim Vice President and Provost
Colcock Hall
179 Ashley Avenue, MSC 002
Medical University of South Carolina

Dear Mark:

I strongly endorse the creation of a Center for Biomedical Imaging in the College of Medicine that will allow for integration of the existing imaging research resources on our university campus. The Center will provide a campus-wide resource where both basic and clinical scientists will collaborate to develop new imaging methods, and will serve the animal imaging needs of the scientific community.

The Center will include all currently available animal imaging resources including bioluminescence imaging, micro CT, micro PET/CT and a Bruker 7 Tesla animal MRI system. These resources will be consolidated in the Bioengineering Building to be completed in the fall of 2011. The existing human 3T MR system at 30 Bee Street, under the Center for Advanced Imaging Research (CAIR), will become part of the proposed Center for Biomedical Imaging over the next two years.

The Center for Biomedical Imaging will provide MUSC faculty with a core facility for imaging research in both animals and humans. Numerous collaborations will be extended to multiple investigators in neurosciences, psychiatry, cancer and other disciplines. Opportunities to enhance state-wide research exist through affiliations with Clemson and USC by capitalizing on their strengths in engineering.

It is my pleasure to give this proposal my strong support.

Sincerely,

A handwritten signature in black ink, appearing to read "Etta D. Pisano".

Etta D. Pisano, MD
Vice President for Medical Affairs
Dean, College of Medicine

**MUSC CENTER FOR BIOMEDICAL IMAGING
- SYNOPSIS -
March 1, 2010**

Dr. Joseph Helpem, Dr Truman Brown, Dr. Philip Costello

Overview

Over the past three decades, the clinical and research applications of biomedical imaging have seen unprecedented growth. To take advantage of this growth, academic institutions need to disseminate these findings to the larger community by training and mentoring young investigators interested in both further biomedical imaging development as well as its particular applications to clinical and research problems. For these reasons, and in order to help integrate the existing yet diverse imaging initiatives that now exist at MUSC, we propose establishing a Center for Biomedical Imaging. This will advance imaging research here enabling MUSC to remain competitive with other academic institutions and establish the infrastructure and environment to enable MUSC to reach the next level in this crucial research area.

The Center for Biomedical Imaging will serve as a resource where basic and clinical scientists collaborate to discover new ways to study diseases and disease processes and to develop and apply this knowledge to clinically relevant research. Central to the mission objectives of the Center for Biomedical Imaging will be 1) service to the MUSC imaging research community, 2) the training and mentorship of graduate students and future leaders in biomedical imaging, 3) the recruitment of outstanding senior and young investigators, 4) the discovery of new clinical applications of imaging and their practice in the clinical arena and 5) the promotion of basic research in medical imaging and related fields. It is our vision that the MUSC Center for Biomedical Imaging will serve as a focal point for all of these activities.

Present Imaging Resources

Currently, the Center for Advanced Imaging Research (CAIR) at MUSC, located in approximately 1500 square feet at 30 Bee Street, is under the purview of Drs. Gary Aston-Jones and Peter Kalivas of the Neuroscience Department with Dr. Paul Morgan of the Radiology Department as Director. [Note: Dr. Morgan has recently announced his resignation effective June 2010. Dr. Truman Brown will assume this position in October 2010.] CAIR houses one 3 Tesla Siemens TIM Trio MRI system, which is used exclusively for research.

Separate from CAIR, and located in the Cancer Center, there exists a bioluminescence imager, a micro CT scanner and a micro PET/CT scanner, all currently under the direction of Dr. Michael Rosol of the Department of Radiology. Additionally, there is a Bruker 7 Tesla animal MRI system, under the direction of Dr. Mark Kindy, situated in yet another campus location. Finally, there are plans to consolidate these animal imaging resources within the Bioengineering building when it is completed sometime in the fall of 2011.

Although imaging research collaborations do exist within MUSC, they are somewhat limited and concentrated in specific labs. In general, the MUSC research community at large (and specifically the Neuroscience and Psychiatry Departments) has

yet to capitalize on the range of resources available. This limitation, which has restricted growth of imaging studies, is most likely due to the decentralization of infrastructure, support and administration as well as the lack of leadership in the field of Biomedical Imaging.

Vision

Our vision of a Center for Biomedical Imaging is to provide an environment and infrastructure that will serve as a foundation for the advancement of imaging technology and for human and animal research applications to be used by scientists and clinicians at MUSC. This foundation will be supported by a small team of scientists and support personnel with experience in the conduct of imaging research, experimental design, development and applications. [Note: The specific details of the needed support equipment will require a survey to determine what ancillary equipment is available (e.g. computers, electronics, etc.).]

The Center for Biomedical Imaging needs to be led by an imaging scientist with knowledge and experience in running large collaborative research programs and with an established track record in NIH funding. The department best positioned to provide the necessary oversight for this Center is the Department of Radiology under the purview of the Vice Chair for Research, Dr. Joseph Helpert. Other departments must participate in the organization and governance of the Center, but the Radiology community is in the best position to support multidisciplinary research, be aware of and keep abreast of the current technology, be "in touch" with other leaders in the field and have their fingers on the pulse of funding opportunities. This "hidden support" is of great importance when trying to obtain NIH grants, as the study sections are acutely aware when there is a lack of such coordination and support at an institution.

In order to ensure that the MUSC Center for Biomedical Imaging is broadly based, it needs to be supported by as many stake holders at MUSC as reasonable, in particular the Departments of Neuroscience, Psychiatry and Radiology, and Centers such as Aging, Stroke and Hollings Cancer Center. This initiative should be structured so that other Departments and Centers with interests in imaging are able to join in the future. Further collaborative efforts must be expanded with both the ongoing research programs as well as the many untapped research interests that are present at MUSC. Furthermore, extending our collaborations to Clemson and USC is essential in order to take advantage of State-wide strengths in engineering and biology.

The initial Programs and Applications we envision for the Center are:

Proposed Initial Technical Programs:

- Hardware & Pulse Sequence Design
- Image Analysis
- Neuroimaging
- Spectroscopy
- Molecular Imaging

Proposed Initial Targeted Applications:

- Heart, Lung, Body & Musculoskeletal
- Cancer
- Clinical Trials
- Neuroscience & Psychiatry
- Biophysics

These Programs and Applications are based on our initial (and necessarily superficial) discussions with our future colleagues at MUSC, so should be considered preliminary suggestions rather than definitive proposals.

Space

It is important for the investigators associated with the Center be able to collaborate on a daily basis. In simple terms, hallway conversations are essential for these developments and collaborations. To wit, we propose that the Center be housed in two main areas: one to support animal research and another to support human research along with the administrative infrastructure of the Center.

Human research and the administrative infrastructure space could occupy the space currently occupied by the CAIR facility at 30 Bee Street provided it can be expanded to include the additional space in that building that will be vacated in the near future. Animal research space for the Center should be designated on the second floor of the new Bioengineering building. Together, this will provide adequate office and research space for investigators and support personnel.

Conclusion

Biomedical Imaging is a major growth industry in medical research and MUSC is poised to capitalize on this opportunity. In order for this to happen, MUSC needs to coordinate its efforts and establish a Center for Biomedical Imaging. Much of the investment necessary for this to happen has already been made in the way of capital equipment acquisition and space allocation; what is now needed is scientific leadership together with the support of MUSC administration. In this synopsis, we believe we have provided the initial outline of the steps must be taken to accomplish this.

FACILITIES
ACADEMIC/RESEARCH
SCOPE OF WORK AND BUDGET ADJUSTMENT
FOR APPROVAL
October 8, 2010

PROJECT TITLE: Replace Basic Science Building Fire Alarm System

PROJECT NUMBER: H51-N207/State Project Number To Be Determined

CURRENT APPROVED BUDGET: \$ 300,000

TOTAL REVISED BUDGET: \$ 670,000

SOURCE(S) OF FUNDS: Institutional Capital Project Fund and Institutional Bond

JUSTIFICATION: The current budget of \$300,000 was approved by the Board of Trustees as part of the FY10 Capital Budget at the August 2009 meeting. The project involves the replacement of the fire alarm control panel, furnishing all parts and labor to install a new fully addressable network system for floors 1-7, including the penthouse, in the Basic Science Building.

The initial project cost estimate was based on replacement of the existing fire alarm system with new code compliant components. The estimate was based on input from our fire alarm service contractor. It has been determined by our design consultant that a much larger scope of work than simple replacement of existing devices is required to meet current code requirements. The associated total project cost estimate provided by that consultant plus professional services fees is \$600,000. There are many areas within the Building that still have asbestos fire proofing above the ceiling. We are asking for an additional budget allowance of \$70,000 to address additional costs associated with working around this material.

We are asking the Board to approve a budget of \$670,000 for this project.

FACILITIES

ACADEMIC/RESEARCH

SCOPE OF WORK AND BUDGET ADJUSTMENT

FOR APPROVAL

October 8, 2010

PROJECT TITLE: Replace Harborview Office Tower Building Fire Alarm System

PROJECT NUMBER: H51-N208

CURRENT APPROVED BUDGET: \$ 300,000

TOTAL REVISED BUDGET: \$ 380,000

SOURCE(S) OF FUNDS: Institutional Capital Project Fund and Institutional Bond

JUSTIFICATION: The current budget of \$300,000 was approved by the Board of Trustees as part of the FY10 Capital Budget at the August 2009 meeting. The project involves the replacement of the fire alarm control panel that will trigger a full code compliant upgrade to include a voice announcement system throughout floors 1-10 in the Harborview Office Tower Building.

The initial project cost estimate was based on replacement of the existing fire alarm system with new code compliant components. The estimate was based on input from our fire alarm service contractor. It had been determined by our design consultant that a much larger scope of work than simple replacement of existing devices is required to meet current code requirements. The associated total project cost estimate provided by that consultant plus professional service fees is \$380,000.

We are asking the Board to approve a budget of \$380,000 for this project.