

## AGENDA ITEM X.A

### **Request for BoRSF Matching of Federal Proposal: National Network for Manufacturing Innovation (NNMI)**

#### **Introduction**

The National Network for Manufacturing Innovation (NNMI) was established in 2012 with a goal of establishing fifteen (15) distinct and sustainable national manufacturing hubs, to be multi-agency, multi-state, multi-disciplinary, and multi-campus in structure. For each competitively selected hub, a Federal contribution of \$70 million is matched on a 1:1 basis by the participating entities to provide at least \$140 million in initial support. To date, seven (7) institutes have been established: Digital Manufacturing and Design, 3D/Additive, Lightweight Metals Manufacturing, Wide Bandgap Semiconductors, Advanced Composites Manufacturing, Integrated Photonics Manufacturing, and Flexible Hybrid Electronics. Two (2) additional institutes are pending: Smart Manufacturing and Revolutionary Fibers and Textiles.

Two Louisiana campuses – LSU and A&M College and Tulane University, are participating in a proposal submitted in January 2016 to the Innovation Institute on Smart Manufacturing Competition through the U.S. Department of Energy. Led by the University of California – Los Angeles, Texas A&M University (Southeast region hub), Massachusetts Institute of Technology, Rensselaer Polytechnic Institute, West Virginia University, University of Washington, and others, the project would establish the Clean Energy Smart Manufacturing Innovation Institute (CESMII) as a national network for Smart Manufacturing. This network would leverage regional ecosystems, including the Gulf Coast, improve all aspects of the supply chain, and implement advanced education and training programs to increase competitiveness within and across participating regions. A final funding decision is expected in summer 2016.

LSU and Tulane researchers have been invited to participate in comprehensive polymerization monitoring activities. To support this research, the participating campuses have requested a total matching commitment of \$300,000 (\$150,000 per year for two years) from the Board of Regents Support Fund.

#### **Senior Staff Recommendation**

**The Senior Staff recommends provision of a cash match from previous unspent monies in the Board of Regents Support Fund. The amount of cash match provided shall not exceed \$300,000 (\$150,000 per year for two years). Matching funds are to be provided only if National Network for Manufacturing Innovation (NNMI) funding is received.**

## **AGENDA ITEM X.B**

### **LSU Health Sciences Center – Shreveport: Request to Revise Endowed Chair Scope and Qualifications**

#### **Staff Summary**

The Ike Muslow Chair in General Internal Medicine, matched by the Board of Regents in April 2010, was designed to recruit a superior educator and researcher in primary care to integrate Health Literacy research expertise, a Rural Health Collaborative, and a statewide Electronic Health Record System in a coordinated initiative to improve adult primary care. In addition, through the research emphasis on health literacy and primary care, it was hoped that the Chair would increase interest and commitment to primary care among students and residents as well as to expand clinical research.

LSU Health Sciences Center – Shreveport, working with the primary donors, has determined that the Chair as originally proposed is defined too narrowly, no longer meets the critical needs or research priorities of the campus, and represents a strong opportunity to capitalize on emerging research opportunities related to the widespread and growing implementation of electronic health records. The campus and donors propose to revise the focus of the Chair toward health informatics and establish appropriate criteria to recruit the type of researcher and educator to lead research and training in this critical area.

The proposed revisions (see attached) have been reviewed by an external consultant, who concluded they are appropriate for the campus and consistent with program goals and recommended approval. The staff commends LSU Health Sciences Center – Shreveport for working with the donors to reposition the Muslow Chair to better align with the campus's mission and priorities.

#### **Senior Staff Recommendation**

**The Senior Staff recommends approval of the request from LSU Health Sciences Center – Shreveport to adjust the scope and qualifications of the Ike Muslow Chair in General Internal Medicine as specified in communications with the staff, to create the Ike Muslow Chair in Health Informatics.**

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RE: Proposed Modifications to Ike Muslow Endowed Chair in Internal  
Medicine

To the members of the Louisiana Board of Regents,

LSU Health Sciences Center at Shreveport (LSUHSC-S) requests a modification in the requirements for the Ike Muslow Chair in General Internal Medicine for which we received approval in March 2010. In the last six years there have been significant changes in health care nationally as well as dramatic changes in the LSU System and the State of Louisiana. We, therefore, seek permission to broaden the scope of the proposal, modifying the expectations for the Eminent Scholar Chair holder and the required skills of the candidate to meet current needs and those anticipated in the rapidly changing healthcare landscape.

The four specific reasons we offer for this requested modification include: 1) experience with and outcome of our national search for a primary care physician with expertise in research and teaching, as well as our institution's changing needs; 2) emerging medical research opportunities with wide-spread implementation of electronic health records providing health systems a unique opportunity to analyze large volumes of data in their system with the dual intent of improving the quality of care and more easily conducting clinical research; 3) a practical accommodation to decreased state funding which, in turn, mandates Louisiana public medical schools and their accompanying health care systems partner to generate revenue clinically and through extramurally funded research; and, 4) federal, state and LSU System increased promotion of clinical and translational science research to improve the quality of healthcare in general, the health of the citizens of Louisiana, and the reputation of our academic institutions.

To further articulate the desired skills and expectations of the Eminent Scholar Chair holder in the context of providing relevant medical training for 21<sup>st</sup> century physicians at LSUHSC-S, ongoing national health care changes,

emerging opportunities to examine and analyze large quantities of healthcare data, as well as changes in the state funding and expectations, the following rationale is provided to expand on each of the four reasons given for modification of the Ike Muslow Chair requirements.

1. LSUHSC-S advertised nationally for candidates for the Ike Muslow Chair in medical journals widely read by primary care physicians. We sought physicians with expertise in research and teaching for the Chair and received extremely limited response. The best candidate, a general internist, had a long history of teaching excellence; however, he had no research experience - no publications or grants. Because of his teaching excellence, he was hired by the Department of Internal Medicine and is now the residency Program Director for that department, however, he was not awarded the Chair, as he did not meet the standards outlined. **While this process resulted in the identification of an individual who has taken on a large role in teaching and mentoring in primary care for students and residents, the Chair will play a pivotal role in the primary care education of LSUHSC-S learners.**
2. Healthcare organizations are increasingly turning to information technology to achieve goals of workflow efficiency, patient safety, and resource savings and as a timely vehicle to communicate and educate patients. Failure to reach the potential of these systems has been attributed to poor planning and an inadequate infrastructure. **The Chair will help to address these shortcomings through a strong focus on education and research in healthcare informatics. Moreover, there is untapped potential in large-scale databases across the LSU System, from other healthcare systems, and in statewide Federally Qualified Health Centers (FQHCs) that can provide cross-sectional and longitudinal data on population health. The Chair will also support the development of informatics and research skills to mine this data for purposes of improving healthcare access, quality, and outcomes through the transformation of data to knowledge.**

Current information technology implementation within organizations frequently operates in silos, with little cross-talk between clinical informatics, imaging informatics, nursing informatics, and informatics management. **The Chair will have the opportunity to bring these disciplines together into a single community to maximize the potential of each. A further benefit to be reaped from this unified effort is the development of methods by which tailored patient education can be delivered in a consistent, clear, and easily accessible manner. The Chair**

**will work with health literacy experts at LSUHSC-S to develop methods of delivering health information that is understandable and useful for patients and their families and then measure the effectiveness and cost of these methods.**

Healthcare informatics is one of the fastest growing disciplines in health care. 84% of healthcare organizations hired IT positions in 2014. 80% of the healthcare sector is using cloud computing, increasing the complexity of data management and privacy. Health information will see a 22% job growth by 2022 according to the Bureau of Labor Statistics. Preparing for this growth is paramount for successful operations in the future. Medical schools will have to prepare future physicians for the coming applications in health informatics. **At present, education in health informatics is not formally incorporated as a part of the curriculum for students or residents at LSUHSC-S. The Chair will play a role in the addition of this important curricular component to the undergraduate and postgraduate levels of medical education.**

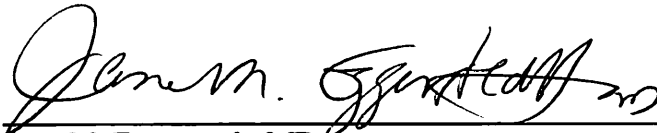
3. Louisiana medical schools must have a clear and effective plan for generating funding. LSUHSC-S can no longer rely on the State for a large part of its funding; furthermore, tuition has been raised as much as is practical. LSUHSC-S must have a focused mission on the identification of sustainable sources of funding for its existing programs and future growth. This plan involves significantly increasing and maintaining federally funded research which comes with 47% indirect funding for the institution. **The Chair will organize a clinical and IT research section which would enhance the knowledge, skills, and experience of LSUHSC-S trainees who are required to conduct research. This effort would allow the school to build its reputation as an academic medical center, potentially attract other nationally recognized researchers, and allow LSUHSC-S to stay abreast of emerging practices in academic medical education.**
4. To meet the research needs of the institution, the State, and increasing federal funding sources, the Ike Muslow Chair holder needs a broader base of clinical and translational sciences research experience, expertise, and leadership skills than that limited by primary care alone. **The Chair will have the opportunity to capitalize on the health literacy expertise that currently exists at LSUHSC-S including long-standing experience in conducting research in rural FQHCs. In addition, collaboration with the LSUHSC-S health literacy experts provides the Chair an avenue for involvement with the LA Clinical and Translational Science Center (LA**

**CaTS). LA CaTS is a novel NIH-funded collaboration of eight academic institutions in Louisiana. Two LSUHSC-S faculty members currently serve as directors of the health literacy core of this project. The Chair, in conjunction with these readily available expert resources, will be in an ideal setting to develop and lead a section of clinical and translational research and mentor faculty, fellows, and residents in the Department of Medicine as well as medical and public health students.**

LSUHSC-Shreveport hopes that the Board of Regents will look favorably on the proposed modifications for the Ike Muslow Endowed Chair and looks forward to filling this needed Chair in the very near future so that our institution can move forward to enhance its clinical research and healthcare informatics training of physicians for the 21<sup>st</sup> century.

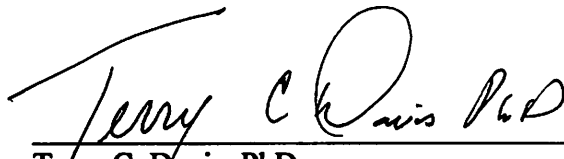
Thank you for your consideration of this request.

Sincerely,



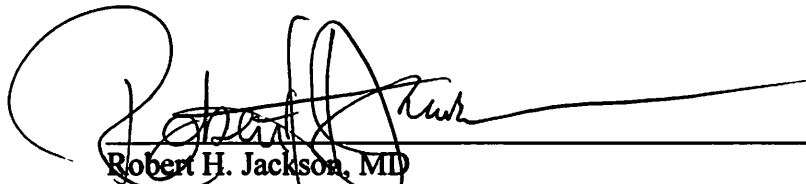

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 Major Donor, Ike Muslow Endowed Chair in Internal Medicine




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Robert H. Jackson, MD  
 Medical Director, Martin Luther King Community Health Center  
 Retired Professor of Internal Medicine  
 LSUHSC-Shreveport  
 Major Donor, Ike Muslow Endowed Chair in Internal Medicine

## **AGENDA ITEM X.C**

### **Board of Regents Support Fund: Mandated FY 2015-16 Budget Reduction**

#### **Staff Summary**

The Board of Regents Support Fund (BoRSF) is a constitutionally dedicated initiative supporting higher education activities designed to enhance postsecondary education and contribute to Louisiana's economic development. The FY 2015-16 budget of \$26.5 million was approved by the Regents in September 2014 and adopted by the Governor and the Legislature in June 2015.

Once a budget deficit is declared, the Constitution permits the Governor to reduce statutory dedications by up to 5%. Following action by the Governor and approval of the Joint Legislative Committee on the Budget on February 13, 2016, the Division of Administration notified the Board of Regents that the FY 2015-16 Support Fund budget reduction totals \$1,318,250 and required immediate notification of the ways in which the cut would be accommodated. To comply with this urgent request while causing minimum disruption of ongoing competitions, Dr. Joseph C. Rallo, Commissioner of Higher Education notified the Division of the following:

1. The Endowed Superior Graduate Student Scholarships Subprogram was budgeted at a level of \$2 million in FY 2015-16. As of the February 1, 2016 submission deadline, the Board received 23 proposals requesting \$1,400,000 in BoRSF match, leaving \$600,000 available for reduction.
2. The BoRSF Endowed: Two-Year Workforce Scholarships Subprogram was budgeted at a level of \$1.1 million in FY 2015-16. As of the February 1, 2016 submission deadline (February 1), the Board received 27 proposals requesting \$460,000 in match, leaving \$640,000 available for reduction.
3. The Supervised Undergraduate Research Experiences (SURE) subprogram, new to the Support Fund in FY 2015-16 and budgeted at \$100,000, has not been initiated. No competition will be conducted, and its budget line eliminated.

#### **Senior Staff Recommendation**

**This update is for informational purposes only. No action is required.**