

Submitted by: David P. Massaron, Chief Financial Officer and Senior Vice President for Finance and Business Operations; Treasurer

Applebaum – Magnetic Resonance (MR) Research Core Relocation

Recommendation

It is recommended that the Board of Governors authorize the President, or her designee, to approve spending to design, solicit bids, and award contracts for the Applebaum building Magnetic Resonance Research Core Relocation with a project cost not to exceed \$2.0M. Funding for this project will be provided by the Office of the Provost and Bond Funds.

Background and Project Description

In 2021, WSU received a major High-End Instrumentation S10 grant from the National Institutes of Health for \$2 million to replace our now 14-year-old Siemens 3T VERIO scanner with a new Siemens 3T CIMA.X scanner, a modern 3T magnetic resonance imaging (MRI) system. The outdated capabilities of the older instrument limits our investigators' ability to continue to develop and disseminate high-impact MRI research, so replacement is timely.

The new instrument will be the first of its kind in the State of Michigan and within the Midwest region. The new instrument will provide enabling technology that will promote researchers from several colleges, centers, and institutes to work together with the larger goal of improving brain health and more, and the instrument will be central to the OVPR operationalized MR Research Core. The instrument has an ultra-strong body gradient system that will dramatically improve the spatial and temporal resolution of the MR imaging that is critical for advancing science in detecting finer anatomical structures and enhancing tissue characterization of the brain's microstructure. Several researchers across the university received new federal funding based in part on the utility of the new instrument.

This construction project will relocate the MR Research Core and its instrumentation, including the new MRI scanner, into the Applebaum College of Pharmacy and Health Sciences building. This move will allow WSU to vacate the leased MRI space within the DMC for anticipated cost avoidance of approximately \$1.8M over the course of a 20-year lease. This project includes all work to prepare the building for the new MRI and its support spaces and relocating an existing 400 MHz NMR (nuclear magnetic resonance) from its current location. Relocating the MR Research Core instrumentation coincides with the Dean of Pharmacy and Health Science's desire to increase a clinical training presence within the building and provides a significantly enhanced location for patient

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access for clinical studies. In addition, it places the instrument in the same building with a strong Division of Laboratory Animal Resources presence for enhanced animal studies on the instrument.

All contracts for this project will be awarded in accordance with University policies and procedures.

Project Budget

Funding Source	
Bond Funds	\$1,000,000
Office of the Provost	\$1,000,000
TOTAL Sources	\$2,000,000
Expenditures Plan	
Design Fees	\$163,000
Construction	\$1,569,000
Project Management Fees	\$68,000
Contingency	\$200,000
TOTAL Expenditures	\$2,000,000