

**3T PRISMA FOR NEUROSCIENCE RESEARCH GRANT FOR WAYNE STATE UNIVERSITY**

**NATIONAL INSTITUTES OF HEALTH S10 OD028724-01**

**RECOMMENDATION**

It is recommended that the Board of Governors authorize the President, or his designee, to approve a contract not to exceed \$3.23 million to Siemens Prisma to procure a 3T PRISMA scanner, a modern 3T human magnetic resonance imaging system (MRI) which will be housed in the MR Core Research Facility at Wayne State University.

**BACKGROUND AND PROJECT DESCRIPTION**

A National Institutes of Health (HEI) High End Instrumentation Award # S10 OD028724-01 for \$2,000,000 was granted to Wayne State University for the acquisition of a Siemens 3T PRISMA scanner. The instrument is a modern 3T human magnetic resonance imaging system (MRI) that 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 the science in detecting finer anatomical structures and enhancing tissue characterization of the brain's microstructure.

The instrument offers new software, new sequences, new fast imaging methods and a variety of technical imaging advances that were not available on the university's old VERIO scanner that is currently being used. The new 3T PRISMA will provide an ultra-high spatial resolution quantitative imaging, high spatial resolution and high temporal and spatial resolution for function MRI. The new system will have an immediate impact on over 18 research programs at Wayne State University.

The full purchase cost for this instrument is secured by the NIH S10 Award # S10 OD028724-01 (\$2.0 million from NIH; \$1.23 million match from the Office of the Vice President for Research (OVPR) and the School of Medicine.) Projected installation date is in 2023.

**PROJECT BUDGET**

**Funding Sources**

NIH S10 Award # S10 OD028724-01	\$2.0 million
WSU Matching Fund (2/3 – OVPR; 1/3 – School of Medicine)	\$1.23 million
<b>Total Sources</b>	<b>\$3.23 million</b>
<b>TOTAL Expenditures</b>	<b>\$3.23 million</b>

**SUBMITTED BY: DAVE MASSARON, CHIEF FINANCIAL OFFICER AND SENIOR VICE PRESIDENT FOR FINANCE AND BUSINESS OPERATIONS AND TIMOTHY L. STEMMLER, PH.D., INTERIM VICE PRESIDENT FOR RESEARCH**

University Policy 04-6 – Contract Signatories requires that acquisition of moveable equipment in excess of \$1 million not associated with the structure of a building, whether by direct purchase or by capital lease, be approved by the Board of Governors prior to the transaction.

If the board approves this recommendation, the minutes will report as follows: The Board of Governors authorizes the President or his designee to contract with Siemens Prisma for the purchase of one Siemens 3T PRISMA scanner, with a cost not to exceed \$3.23 million.