

SUBMITTED BY: REBECCA COOKE, INTERIM VICE PRESIDENT FOR FINANCE AND BUSINESS OPERATIONS, AND CHIEF FINANCIAL OFFICER; TREASURER, *PRO TEMPORE* AND STEPHEN M. LANIER, PH.D., VICE PRESIDENT FOR RESEARCH

ORBITRAP ECLIPSE MASS SPECTROMETER TO ENABLE QUANTITATIVE MULTIPLEXED PROTEOMIC MASS SPECTROMETRY RESEARCH, EDUCATION, AND OUTREACH GRANT FOR WAYNE STATE UNIVERSITY

NATIONAL INSTITUTES OF HEALTH S10 OD030484-01

RECOMMENDATION

It is recommended that the Board of Governors authorize the President, or his designee, to approve a contract not to exceed \$1.29M to ThermoFisher Scientific to procure an Orbitrap Eclipse Mass Spectrometer which will be housed in the Proteomics Facility Core Laboratory, 2105 Scott Hall, Wayne State University.

BACKGROUND AND PROJECT DESCRIPTION

A National Institutes of Health (HEI) High End Instrumentation Award #1S10OD030484-01 was granted to Wayne State University for the acquisition of a ThermoFisher Scientific Orbitrap Eclipse mass spectrometer. The instrument is capable of providing multiplexed analysis of isobaric tag labeled proteome samples using synchronous precursor selection to eliminate background signal.

The instrument will be the first of this latest generation of Tribrid Mass Spectrometers in the state of Michigan. The new instrument will have an immediate impact on over 24 research programs at Wayne State University. In addition to advancing science and technology at Wayne State University and surrounding vicinity, the instrument will aid in training students and postdocs, provide an opportunity for underserved K-12 students in Detroit to engage in hands-on educational activities, and enable product development at both start-up and established local companies.

The full purchase cost for this instrument is secured by the NIH S10 Award #1S10OD030484-01 (\$1,289,466). Projected installation date is within 3 months of purchase order receipt.

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PROJECT BUDGET

Funding Sources

NIH S10 Award #1S10OD030484-01	\$1,289,466.
WSU Matching Fund	-0-
Total Sources	\$1,289,466.
TOTAL Expenditures	\$1,289,466.

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 ThermoFisher Scientific, for the purchase of one Orbitrap Eclipse mass spectrometer, with a cost not to exceed \$1,289,466.