

No. III.C.2.a.

RECOMMENDED ACTION - Approval of Procurement Activity Report

The following resolution was moved by _____
and seconded by _____.

BE IT RESOLVED by the Board of Governors for Missouri State University that the attached Activity Report presented by the Procurement Services Office be approved.

VOTE: **AYE** _____
 NAY _____

COMMENTS:

This resolution confirms approval received from the Executive Committee on October 8, 2009.

**ACTIVITY REPORT
MISSOURI STATE UNIVERSITY
OFFICE OF PROCUREMENT SERVICES
A DIVISION OF FINANCE**

FOR APPROVAL

Single purchase > \$100,000 that was not competitively bid

**i-Habenero-CSU Confocal Imaging System \$347,679.68
Biology Department**

The Biology Department has a requirement for a cell imaging system and has selected the i-Habenero-CSU Confocal Imaging System to meet those requirements. The total cost of the system is \$411,129.00 but the vendor has agreed to contribute approximately \$63,436.00 in cash value in the form of a price reduction towards the purchase of the instrumentation.

Contained in the i-Habenero-CSU Confocal Imaging System are proprietary unique systems, such as a complete auto focus or zero drift compensation imaging system, which is essentially required for many users performing prolonged time-lapse live imaging experiments (for several days) of living cells. The system is also equipped with a unique black environmental chamber with Proportional, Integrative, Derivative (PID) control of temperature, humidity, and CO₂ for exacting control of environmental conditions for long-term experiments with sensitive cells.

The chamber is also photon blocking to prevent external light sources from entering and the system uses class 3B lasers. As a result, there is no need for any renovations to accommodate the system or any embellishment of the other systems.

Lastly, the Yokogawa confocal configuration that Biology is requesting has FRET imaging capability that is due to the four laser lines, which is immediately needed by several major users (Drs. Kim, Weaver and Garrard) to examine protein-protein interactions.

The Hirschfeld Instruments Company, St. Louis, Missouri, is the vendor for the i-Habenero-CSU Confocal Imaging System. It is recommended that a purchase order be awarded to Hirschfeld Instruments Company.

Note: Funding provided by a \$247,679.68 grant *Acquisition of a Spinning Confocal Microscope to Advance Interdepartmental Research and Training at Missouri State University* with Dr. Kyoungtae Kim as the principal investigator. A \$100,000.00 matching grant is made up of monies from the College of Natural and Applied Science, \$60,000.00, and the Office of the Provost, \$40,000.00.

Approved October 8, 2009 by the Board of Governors' Executive Committee