

SOUTH DAKOTA BOARD OF REGENTS

Committee on Budget and Finance

AGENDA ITEM: II – B

DATE: June 10-11, 2015

SUBJECT: Capital Asset Purchases Greater than \$500,000

South Dakota State University requests approval of the following items:

A **Multiphoton Microscope** for the Chemistry/Biochemistry Department at an estimated cost of \$784,648. This new piece of equipment is required to establish the Imaging Core and High Content Facility of Biochemical Spatio-temporal NeTwork Resource (BioSNTR) cellular and molecular imaging in plant and animal tissues. Funding for this purchase will come from a Research Commercialization Council Grant.

A **Transmission Electron Microscope** for the Agricultural and Biosystems Engineering Department at an estimated cost of \$812,570. This new piece of equipment will allow SDSU to instruct next generation scientist, engineers and teachers the innovative techniques of electrical energy storage and drug delivery. The microscope will be housed in a shared facility to allow for multiple interdisciplinary research projects. This setting will also encourage collaboration between departments, colleges, universities and industry. Tribal colleges such as Oglala Lakota College and Sinte Gleska University as well as Black Hills State University and high school science teachers across the state will all benefit from this piece of equipment. Funding for this purchase will consist of \$25,000 from the SDSU Experiment Station federal funds with the remaining \$787,570 from a National Science Foundation MRI Program grant.

RECOMMENDED ACTION OF THE EXECUTIVE DIRECTOR

Approve SDSU's request to purchase a Multiphoton Microscope at an estimated cost of \$784,648. Funding for this purchase will come from Research Commercialization Council Grant funds.

Approve the Executive Director's emergency authorization for SDSU to purchase a Transmission Electron Microscope at an estimated cost of \$812,570. Funding for this purchase will be \$25,000 from the SDSU Experiment Station federal funds with an additional \$787,570 from the National Science Foundation MRI Program grant.