

To: LCCC Board of Trustees

From: Joe Schaffer, President

Date: February 10, 2023

Subject: Request for Spending Authority, Electron Microscope

The faculty in the School of Arts & Sciences (A&S) have collaborated with peers across the College to support the purchase of a new scanning electron microscope (Model: Phenom ProX G6 Desktop SEM with EDS capability). Through a successful grant proposal with INBRE, committed funds from the LCCC Foundation, and General Fund dollars in A&S, the School of Health Science & Wellness (HSW), and the School of Outreach & Workforce Development (OWD) the purchase is made possible. The current microscope was donated to the College in 2010, though it had been used by the Colorado Bureau of Investigation and University of Northern Colorado for approximately 25 years prior to our acquisition. Today its technology is outdated, and its operation is burdensome on the utility infrastructure in the Science Center. The replacement microscope is a desktop model with an unlimited array of applications for our students. We envision use of this equipment across many disciplines in the College; its implementation in Biology 1010 alone will provide access to nearly 200 students annually.

The anticipated cost for purchase and installation of the microscope exceeds \$60,000, and thus requires your approval to grant spending authority. The funding for this purchase is outlined in the table below.

Source	Origin	Allocation
INBRE Equipment Grant	Federal	\$110,000
Margaret E. Smith Laboratory Equipment Fund	LCCC Foundation	\$3,000
General Science budget	LCCC General Fund	\$10,000
School of Outreach & Workforce Development budget	LCCC General Fund	\$1,000
Health Sciences budget	LCCC General Fund	\$1,000
	TOTAL	\$125,000
TOTAL PRICE		\$124,665

Staff Recommendation: That the Board of Trustees authorizes the President to expend funds for the purpose of acquiring the Phenom ProX Scanning Electron Microscope as outlined in this memorandum, with the anticipation that these expenses will be fully supported as described above.