

Approved by the Board of Trustees  
September 10, 2020

Board Meeting  
September 10, 2020

ROLL CALL

PURCHASE RECOMMENDATIONS

The "Purchase Recommendations" are presented by University and a Summary from "Appropriated Funds" (i.e., from State appropriations to the University) and from "Institutional Funds" is included. The latter term is used here to designate funds received by the university under contracts with the United States Government; contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors; and university revolving funds authorized by law. The Summary also indicates a total amount by university.

The Board action recommended in this item complies in all material respects with applicable State and Federal laws, University of Illinois *Statutes, The General Rules Concerning University Organization and Procedure*, and Board of Trustees policies and directives.

The Special Advisor to the President has proposed, and the Vice President, Chief Financial Officer and Comptroller recommends, the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of the lowest acceptable bid.

The President of the University concurs.

**PURCHASES RECOMMENDED**

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<b>University of Illinois at Urbana- Champaign</b>	
1 Unit	Physics
Item	Triton 500 Systems
Cost	\$1,647,359.22 (estimated)

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Vendor Oxford Instruments America, Concord, MA

This purchase is a sole source because the items are required for research and no other source is able to meet the researcher's documented need.

Physics research programs are investigating quantum information science based on superconducting devices that only operate at ultra-low temperatures. Dilution refrigerators (Triton 500 Systems) are the only platform for cooling a sample to the extremely low temperatures necessary to carry out the required experiments. A cryogen-free dilution refrigerator allows the work to be done in a cost-effective and environmentally conscious way by greatly reducing the consumption of liquid cryogenics necessary to cool the system to the required temperatures. The purchase price is for a total of four systems: two Triton 500 systems with extended sample space and two Triton 500 systems.

The experiments conducted in the two types of refrigerators are complementary and will investigate different types of device physics of the same broad class of samples. It is mandatory that the refrigerators are compatible in the sense that wiring, shielding, and filtering is transferable between them. Currently, the physics department has multiple instruments from Oxford and the resultant previous knowledge of the systems. This makes it significantly easier to train students on the new systems and allows for interchanging of parts and samples. The interchanging of parts is crucial to limit down times for the cryogenic systems, which often require specialized parts. Business Enterprise Program (BEP) goals are not established for contracts that are exempt from the requirements of the IL Procurement Code.

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2 Unit Aerospace Engineering

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Item Furnish and Deliver an Inductively Coupled Plasma (ICP) Wind Tunnel.

Cost \$3,838,000 estimated

Vendor Tekna Plasma Systems, Inc., Sherbrooke Quebec, Canada

Bid Received	Total Estimated Cost
Tekna Plasma Systems, Inc.	\$3,838,000.00

Competitive bidding procedures were followed in accordance with the Illinois Procurement Code.

The vendor will provide an ICP Wind Tunnel to enable testing of thermal protection materials for hypersonic systems. Hypersonic flight vehicles, able to fly at speeds far exceeding the speed of sound, are a vital technology for national security, global transportation and space exploration. Thermal protection remains one of the most important barriers to hypersonic flight and testing capabilities play a critical role in advancing the field. The ICP wind tunnel enables positioning the University at the forefront in hypersonic research by complementing the current expertise in modeling and simulations available at the Illinois Center for Hypersonic and Entry System Studies (CHESS).

The University needs this wind tunnel to remain competitive in the hypersonic research arena. Peer institutions have made substantial investments in wind tunnels for “cold” hypersonic research, while the high temperature hypersonic regimes remain an area where CHESS and the University stand out. To maintain this edge over peer institutions, the new wind tunnel will allow performing experiments on material for thermal protection, on plasma flows, radiation, and non-equilibrium chemistry. It will allow enhancing current modeling expertise with new data.

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**University of Illinois at Chicago**

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3 Unit UI Health- Ambulatory Care Pharmacy

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Item Gattex Injection.

Cost \$10,000,000 (estimated)

Vendor ASD Healthcare, Frisco TX

Exempt from competitive selection procedure in accordance with the Illinois Procurement Code (30 ILCS 500/1-13).

ASD Healthcare is the sole distributor of Gattex Injection due to FDA mandated Risk Evaluation Mitigation Strategies (REMS). Gattex is a sole source, patented GLP analog used for patients with Short Bowel Syndrome to increase intestinal absorption.

Business Enterprise Program (BEP) goals are not established for contracts which are exempt from the requirements of the IL Procurement Code.

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4 Unit UI Health – Materials Management

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Item COVID-19 Testing kits and ancillaries for the period of September 11, 2020 through September 10, 2022, with no options to renew.

Cost \$9,000,000 (estimated)

Vendor Fisher Scientific Company LLC, Hanover Park, IL

Exempt from competitive selection procedures in accordance with the Illinois Procurement Code (30 ILCS 500/1-13).

Fisher Scientific Company LLC offers the Abbott Diagnostic's ID NOW COVID-19 test kits for testing patients for COVID-19. This was the first rapid COVID-19 point-of-care test which was released in April and provides test results in less than 15 minutes. The kit is used with ribonucleic acid (RNA a nucleic acid present in all living cells) with an extracted sample from the upper respiratory (such as nasopharyngeal, oropharyngeal, nasal, and mid-turbinate swabs, and nasopharyngeal aspirate) and bronchoalveolar lavage (BAL) of patients suspected of COVID-19 by their healthcare provider. UI Health was one of the initial healthcare institutions to receive the Abbott ID NOW test kits, and our current allocation of kits provided to us are 80 kits per week. It is expected that the need for COVID-19 testing will continue, even with the possible advent of a vaccine, but at this point it is only an estimated based on the virus' volatility

Business Enterprise Program (BEP) goals are not established for contracts which are exempt from the requirements of the IL Procurement Code.

## CHANGE ORDER RECOMMENDED

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### University of Illinois at Urbana-Champaign

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5 Unit      Gies College of Business and The College of Liberal Arts and Sciences

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Item      Academic Bridge Program for visiting Illinois Undergraduate Students

Cost      \$10,480,000 (estimated)

Gies College of Business  
Fall Semester - \$990,000.00  
Spring Semester - \$850,000.00

College of Liberal Arts and Sciences  
Fall Semester - \$990,000.00  
Spring Semester - \$7,650,000.00

Vendor      Zhejiang University International Campus, Haining, Zhejiang Province,  
People's Republic of China

This purchase is exempt from the usual selection processes of the Procurement Code because the procurement expenditure is for events or activities paid for exclusively by revenues generated by the events or activity, gifts or donations for the event or activity, private grants, or any combination thereof (30 ILCS 500 / 1-13(b)(2)).

While the University of Illinois at Urbana Champaign campus is likely to be open in the Fall 2020 semester, students will be given the option to pursue their coursework virtually. With travel restrictions currently enforced and uncertainty about visa processing, the Gies College of Business and the College of Liberal Arts and Sciences are concerned that their incoming students from China may not have the option for on-campus study, or that they may not be able to travel from China.

The Academic Bridge Program allows for the flexibility of attending UIUC virtually, while still receiving the benefits and value of being on campus, in their home country. Given the existing institutional relationship, the

Zhejiang University International Campus can support UIUC by hosting outbound students from China pursuing their virtual studies at UIUC. One of the main objectives of the program, is to promote and support connections between students studying virtually, creating the UIUC identity and shared experience that contributes to building community.

<b>SUMMARY OF PURCHASES</b>	
University of Illinois at Urbana-Champaign	\$5,485,359.22
University of Illinois at Chicago	\$19,000,000
Recommended from Institutional Funds	
Grand Total	\$24,485,359.22
<b>SUMMARY OF CHANGE ORDER</b>	
University of Illinois at Urbana-Champaign	\$10,480,000
Recommended from Institutional Funds	
Grand Total	\$10,480,000