

Submitted by: Rebecca Cooke, Interim Vice President for Finance and Business Operations

PURCHASING EXCEPTIONS

Attached is a summary report of purchase orders (POs) greater than \$25,000 that were issued during October & November 2019 without soliciting competitive bids. POs are summarized in the following categories:

- A. Scientific Judgment
- B. Executive Officer Waiver of Bid for professional service contracts
- C. Emergency Requirement (insufficient time to complete a bid process)
- D. Compatibility with previously purchased equipment or services
- E. Partnerships/Sponsors
- F. Other (see explanation)

All requests for bid waivers were evaluated and approved in accordance with University policies.

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No	PO NUMBER	VENDOR	FUNDING TYPE / SOURCE / UNIT	PRICE	DESCRIPTION	Approved by								
1	P0934324	10XGenomics	Grants, Contracts, Restricted Gift Accounts, PRD Admin, HHSN	87,059.80	<p>Basis: Scientific Judgment for Equipment Quality / Functionality Chromium Controller & Next GEM Accessory Kit with additional reagent kits for the Center for Molecular Medicine and Genetics (CMMG) from 10X Genomics.</p> <p>WSU has one other 10X instrument located in iBio. Unfortunately, this one instrument is not sufficient to serve all the potential users on campus and relocating the instrument is not recommended by the manufacturer. The heaviest users are located in Scott Hall. Drs. Luca, Pique-Regi and GSC need it close to their cell culture systems for their research. An ongoing project funded by an MPI R01 (Luca/Pique-Regi) has already been started using the system in iBio (\$130,000 in experiments already performed).</p> <p>Other single cell projects by the Perinatology Research Branch has been using this same system under the guidance of Dr Pique-Regi using additional systems and protocols only available in Dr. Luca's lab in Scott Hall using the same system and additional future projects using placenta nuclei may need to be performed in Scott Hall using the same machine as the PRB has previously used.</p> <p>This new system matches the existing system in iBio and can also be used as a backup in case of failure when important experiments need to be performed in a time constrained scenario.</p> <p>While Biorad and Illumina developed a single cell system that may be similar to the 10X system, these groups have already collected > 87 libraries using the current 10X Genomics chromium system over the last 1.5 years. They also have many ongoing projects that require expanding the sample size using the same exact systems and protocols. It would be cost prohibitive (or impossible) to repeat the experiment in another system to compare results and for joint analyses.</p> <p>.</p> <p>This equipment matches the existing system in iBio. The original instrument broke. The failure of this equipment further highlighted the necessity of having potential backup instrument in the University.</p>	Dr Grossman, PRB Admin; approved by Kenneth Doherty								
2	P0933698	Shimadzu Scientific Instrument	Grants, Contracts, Restricted Gift Accounts, Chemistry Admin, Schaap Johnson/Pfizer	68,192.15	<p>Basis: Scientific Judgment for Equipment Quality / Functionality Ultra-Fast LCMS-2020 Detector with Advanced Data Station for the Department of Chemistry from Shimadzu.</p> <p>The LCMS-2020 detector with an advanced data station includes an Installation Kit, introduction to single quad lessons, Tier 4 installation and customer familiarization, and 1 year warranty.</p> <p>This instrument is needed to perform time sensitive experiments and this is the only vendor that can guarantee the instrument within two days after the PO has been assigned.</p> <p>In addition, several laboratories and the Lumigen Instrument Center have either similar or the exact same instrument, which enables collaboration between laboratories and reduction in service calls (saving money), since Lumigen Instrument MS managers have worked on this instrument and are quite familiar with it.</p> <p>For the other system considered, the Thermo Fisher single quad, Fisher could not promise that it could be delivered before November 1, 2019. This does not meet the needs of the Chemistry Department's time sensitive experiments.</p> <p>Previous Chemistry Shimadzu orders:</p> <table border="0"> <tr> <td>07/2017 \$44,819.94</td> <td>06/2017 \$57,654.01</td> </tr> <tr> <td>07/2016 \$59,418.00</td> <td>06/2015 \$30,546.96</td> </tr> <tr> <td>10/2014 \$55,898.59</td> <td>04/2014 \$338,747.03</td> </tr> <tr> <td>08/2013 \$50,084.70</td> <td>06/2012 \$121,719.28</td> </tr> </table>	07/2017 \$44,819.94	06/2017 \$57,654.01	07/2016 \$59,418.00	06/2015 \$30,546.96	10/2014 \$55,898.59	04/2014 \$338,747.03	08/2013 \$50,084.70	06/2012 \$121,719.28	Matt Allen, Chair of Chemistry; approved by Kenneth Doherty
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3	P0933616	Anatomage Inc	80,650.00	<p>Basis: Scientific Judgment for Equipment Quality / Functionality Medical Education Software for the Undergraduate Medical Education provided by Anatomage. The Anatomage Digital Table is an interactive gross anatomy style table that allows students the opportunity to view regional anatomy contents as well as perform interactive dissections, group assessments, virtual arthroscopy among other simulated scenario's via programmed clinical cases.</p> <p>Additional cadavers and lifelike models have been considered, but these options do not offer unlimited cutting and cases, chemical free interaction and minimum recurring costs that the anatomage digital table program offers.</p> <p>This program will be easily integrated into the curriculum via connection to the newly installed interactive monitors in the gross anatomy lab.</p> <p>This is a very unique product and service not offered by any competing organizations, thus making it the only known source for this unique type of educational system.</p>	DeShaun Harris, Director of student Services School of Medicine; approved by Michael Wright
4	P0932695	MagVenture Inc	136,162.40	<p>Basis: Scientific Judgment for Equipment Quality / Functionality Mag Pro rTMS Magnetic Stimulator for Psychaitry and Behavioral Neurosciences from MagVenture. This instrument is to be used in Dr. Nick Mischel's clinical research in interventional psychiatry and neuromodulation research.</p> <p>This equipment is necessary to perform large volume and intensity stimulation protocols as it would be used in modern clinical/research applications.</p> <p>MagVenture's MagPro system is the only research-grade rTMS system available that is also FDA-cleared for treatment of Major Depressive Disorder. This is essential since this device will used for research as well as clinical treatments. Other options were rejected (for example cTMS system from Rogue Research) as it is not FDA cleared to treat Major Depressive Disorders.</p>	Jennifer Ballard-Traynor; Director of Psychiatry Admin; approved by Kenneth Doherty
5	P0932521	ADInstruments	10,425.00	<p>Basis: Scientific Judgment for Equipment Quality / Functionality PowerLab data acquisition (DAQ) device for Psychiatry and Behavioral Neurosciences from AD-Instruments.</p> <p>The PowerLab is an electrophysiological recording system engineered for precise, consistent, reliable data acquisition. PowerLabs are capable of recording at speeds of up to 400,000 samples per second continuously to disk (aggregate), and are compatible with instruments, signal conditioners, and transducers.</p> <p>This system detects a broad range of signals simultaneously via multiple devices and transducers, at adjustable sampling frequencies Analog outputs for external device control or stimulation protocols DIN connectors for pre-calibrated transducers and amplifiers. There are digital input and output connectors for signaling to/from external devices and it is adaptable to meet differing research and curriculum applications and different models to suit various research and education needs.</p> <p>Other systems available are not able to record signals from human muscle sympathetic nerves whereas this instrument has a platform that has been cleared for human use.</p>	Jennifer Ballard-Traynor; Director of Psychiatry Admin; approved by Kenneth Doherty
6	P0932005	Rogue Research Inc	57,430.00	<p>Basis: Scientific Judgment for Equipment Quality / Functionality Brainsight Neuronavigation software and workstation for Transcranial Magnetic Stimulation (TMS) & Electromyography (EMG) equipment for Psychiatry and Behavioral Neurosciences from Rogue Research.</p> <p>Brainsight TMS navigation system is a revolutionary product enables a TMS coil to be positioned over a specified target location based upon an individual's MRI image, MRI generated 3D curvilinear reconstruction of the brain, or MNI average head model brain. The Brainsight Neuronavigation workstation and software for TMS & EMG equipment is the gold-standard in the field for neuronavigation of rTMS clinical/translational research.</p> <p>No comparable alternatives exist for optical Neuronavigation as specific clinical and technical needs relate to the specifications required of this equipment.</p>	Jennifer Ballard-Traynor; Director of Psychiatry Admin; approved by Kenneth Doherty

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7	P0930079	Wessels & Associates	27,000.00	<p>Basis: Informal Bidding Conducted by the Requesting Department 5 Gallon Blocks of Embalming Fluid for the Department of Anatomy/Cell Biology from Wessels & Associates, LLC. This is a local vendor with lowest known prices. Three sources were considered by Anatomy, which included Trinity Fluids, Universal Medical, and Wessels & Associates. Trinity Fluids and Universal Medical were both substantially higher in cost, as shown below: Wessels & Associates - 5 Gal @ \$70 Universal Medical - 5 Gal @ \$202 Trinity Fluids - 5 Gal @ 133</p> <p>Previous orders: 10/1/18 - 9/30/19 - \$29,000 10/1/17 - 9/30/18 - \$27,000 10/1/16 - 9/30/17 - \$24,000</p>	General Fund Accounts; Mortuary Sciences	Dr Lind Hazlett, Vice Dean for Research and Graduate Programs; approved by Kenneth Doherty
8	P0930068	Double Robotics	33,881.20	<p>Basis: Compatible with prior Research Equipment Tele-presence Robot Heads for the College of Nursing C2 Pipeline Program. The Program works in local high schools to offer students access to STEM educational opportunities</p> <p>The Robots were originally purchased for C2 Pipeline Students (high school) from Double Robotics Inc. in June 2018 on PO P0867472 at a cost of \$55,785.90</p> <p>This upgrade to version 3 eliminates the need for an external camera, external speaker, and use of the Apple operating systems. This upgrade is more rugged for a school setting, and allows for not only the distance aspect of the robot but allows students to program the robots. These also have the capability to avoid obstacles that have caused crashes and damage to the robot, do space mapping, and provide the external user an easier experience. In addition there is a pan up/down and zoom feature which allows users the ability to actually read documents on a desk as well as across a room.</p> <p>This is a new version limited to purchase only through the manufacturer.</p>	Grants, Contracts, Restricted Gift Accounts; Nursing Admin	Dr Laurie Lauzon Clabo, Dean College of Nursing; approved by Kenneth Doherty
9	P0930021	Agilent Technologies, Inc.	139,811.09	<p>Basis: Scientific Judgment for Acquisition of Used Equipment Certified Pre-owned XFe96 analyzer for Ophthalmology from Agilent.</p> <p>Agilent is the sole producer of this product and components. The Unique Features of this analyzer is with the Seahorse XF Technology that are not present in other similar analyzers are:</p> <ul style="list-style-type: none"> • Simultaneously measures oxygen consumption rate (OCR) and extracellular acidification rate (ECAR) of living cells. • Using these measurements, glycolytic Proton Efflux Rate (PER) is easily calculated as an accurate measurement of glycolysis rates in real time. Quantitative ATP production rates can also be calculated in real time using well-validated algorithms to obtain mitoATP and glycoATP production rates, as well as total ATP. • Convenient, easy-to-use Seahorse XF test kits and Seahorse XF reagents simplify the study of cellular metabolism by providing pre-calibrated, pre-tested reagents for routine measurements of metabolic phenotype, mitochondrial respiration, glycolysis, and fatty acid oxidation, and ATP. • Non-invasive measurement that does not require the addition of dyes, labels, or reporters. • Cells/microplate remain viable following an Agilent Seahorse XF assay and may be used for another assay. • Measurements may be repeated to measure kinetic responses over several hours. • Measures adherent cells without requiring trypsinization; suspension cells can be used in conjunction with Cell-Tak® cell and tissue attachment medium. • Measurement technology is covered by US patent# 7,276,351 and other pending patents throughout the world. <p>These specifications will enhance the research in the Department of Ophthalmology and will extend the research into other areas. Cost of the instrument purchased new is \$211,004 - the Pre-owned instrument is \$139,811.09, saving Ophthalmology just over \$70,000.</p>	General Fund Accounts; Faculty Start Up	Dr Lind Hazlett, Vice Dean for Research and Graduate Programs; approved by Kenneth Doherty

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PO NUMBER	VENDOR	FUNDING TYPE / SOURCE / UNIT	PRICE	DESCRIPTION	Approved by
10	P0929989	Fisher Scientific	General Fund Accounts; Faculty Start Up	39,401.00 Basis: Scientific Judgment for Equipment Quality / Functionality Benchtop PCR system for the Institute of Environmental Health Sciences from Fisher Scientific. This PCR system is unique in that it has the automated capability to switch block types from 96 well (both 0.2m1 and 0.1 ml) and 384-well, and can accommodate both standard and fast chemistry. This Instrument offers 5 excitation and emission filter sets to enable multiplexing applications. This PCR system is only available from Fisher Scientific, the authorized distributor for Applied Biosystems. As Fisher Scientific is the preferred WSU supplier, they provided a "new lab start-up discount" and the department received an additional discount because of efforts to match the system that the end user was working on while at the University of Kentucky. One additional benefit to our preferred supplier relationship is the waiver of shipping costs on equipment of this nature, which would be assessed if we purchased direct from Applied Biosystems.	Melossa Runge-Morris,, Director of IEHS; approved by Kenneth Doherty
11	P0929985	Meter Group, Inc. USA	General Fund Accounts; Faculty Start Up	25396.25 Basis: Scientific Judgment for Equipment Quality / Functionality Measurement equipment to assess soil hydraulics, hydrologic characteristics for Civil and Environmental Engineering from the Meter Group. This is unique equipment with a standard, well-integrated design. This equipment cannot be obtained in piecemeal with separate components without a substantial sourcing, assembly, and integration work burden. This is the only known vendor that can provide an entire system that is completely integrated. The other option is to purchase the parts separately. By doing that, there is risk that the components will not integrate properly, and will likely increase the total cost. This approach would also significantly affect the time-line of the project.	Bill Shister, Chair of CEE; approved by Kenneth Doherty
12	P0938118	Li-Cor Inc	Grand Fund Accounts, Pharmaceutical Science	54,078.75 Basis: Scientific Judgment for Equipment Quality / Functionality Odyssey Clx Infrared Imaging System with Data Integrity Bundle and extended warranty for Pharmaceutical Sciences from LiCor. An important portion of this project is to investigate protein modifications. This requires the PI to be able to detect a great deal of proteins using Western blot and to also detect multiple targets on the same blot. The blot scanner and dark room method currently being used is only able to yield images at a moderate quality. This system is also very time consuming as it takes a lot of time processing and scanning to receive the lower outcome. The new system will allow the PI to have better sensitivity with lower image background, to visualize multiple targets on the same blot, not lose data because of image saturation. This system will work with fluorescent antibodies for additional research results and is capable of doing in-cell western for target scanning and complete scanning in less than one minute. Pharmaceutical Sciences did some research on their own through the internet, and by talking with colleges and peer-scientists for information on the systems available. The Odyssey Clx was highly recommended by the majority of the peer researchers. It was also found to be the only one that was capable of meeting the requirements of the research detailed in the grant.	George Corcoran, Dept Chair of Pharm Sciences; approved by Kenneth Doherty

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13	P0936648	Laerdal Medical Corporation	34,636.94	<p>Basis: Scientific Judgment for Equipment Quality / Functionality High fidelity Patient Simulator from Laerdal for the Department of Pediatrics. The Laerdal patient simulator includes a sim-junior light, sim pad plus, and software to run the patient simulators, along with the installation of the simulator, monitors tablet and PC.</p> <p>While there are other patient simulator manufactures (ie CAE and Gaumard), this patient simulator will be inter-connected with the Education Department at Children's Hospital, where they are currently using Laerdal simulators (Sim-Man, Sim-Baby, Sim-Neonate).</p> <p>Since this will be paired with existing equipment, the other manufacturers options would not be compatible, and were therefore not considered.</p>	Kathleen Meert, Pediatrics Professor; approved by Kenneth Doherty
14	P0935999	Western Wayne Family Health	52,900.00	<p>Basis: Requirement of the Michigan Health Endowment Foundation Grant Medical Services to be provided to Psychiatry and Behavioral Sciences by Western Wayne Family Health Centers (WWFHC).</p> <p>WWFHC will provide a therapist and nurse to make home visits of the eligible patients for a grant on telepsychiatry in the home. In addition, the WWFHC will conduct interviews with eligible patients in their clinic. The resulting data will be added to clinical information obtained with the WWFHC IT support.</p> <p>WWFHC is a federally qualified health center that the University Physicians Group (UPG) partners with for clinical psychiatry telemedicine. This grant is an extension of this existing clinical relationship already in place.</p> <p>Reimbursement will come from the Michigan Health Endowment Foundation grant. The Health Foundation is aware of the partnership with WWFHC as the original grant submission requires partnership with a clinic and specifically budgets for telemedicine visits through WWFHC.</p> <p>The granting agency required a partnership with primary care. In the submission for the grant, it was a collaboration with WWFHC where they provided the patients and we provided all the clinical services. Over the course of the first year, WWFHC saw it would fit naturally with their mission if they provided the therapist and nurse (as opposed to UPG). The goal of the grant is to change policy and promote sustainability. Thus WWFHC taking a larger goal is exactly what WSU and the granting agency encourages.</p> <p>This service is included in the budget, budget justification, scope of work, and rebudget letter to the Michigan Health Endowment Foundation for the "Team Based Telemedicine" grant.</p>	Jennifer Ballard-Traynor, Director Psych Admin; approved by Kenneth Doherty
15	P0935840	Robert Bosch Tool Corporation	25,789.10	<p>Basis: Scientific Judgment for Equipment Quality / Functionality Eleven Digilab 3D Printer Kits and one Laser Cutter for the College of Nursing. The acquisition will be made from the Robert Bosch Tool Corporation.</p> <p>This 3D Printer will match existing equipment at all 21st Century Community Learning Centers, as part of a C2 Pipeline Program, and will meet the needs of the College.</p> <p>Nursing has looked at other printers but found them more expensive. As an example, Nursing originally contacted CDW, but they have a limit on the number we could purchase (10), and they could not guarantee when they could be delivered on time since they would have to order from Robert Bosch. B & H Photo also has the limit of 10.</p> <p>The printer to be obtained from the Manufacturer - Dremel, a Robert Bosch Company. S27</p>	Dr. Laurie Lauzon Clabo, Dean College of Nursing; approved by Kenneth Doherty

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16	P0934860	High Energy Accelerator Research Organization	35,000.00	<p>Basis: Only viable option for use of Specialized Research Equipment Salary Reimbursement for Dr. Dmitri Liventsev for the period: 10/16/2019 - 3/31/2020 for the Department of Physics provided by Japan's High Energy Accelerator Research Organization.</p> <p>There is only one Super-KEKB Accelerator, the Belle experiment, and it is at Japan's High Energy Accelerator Research Organization.</p> <p>In order to have a post-doc work in Japan on the Belle experiment full time, they have to be hired through the High Energy Accelerator Research Organization.</p> <p>Physics and Astronomy has worked with KEK in similar agreements before to fund researchers located in Japan.</p> <p>Previous orders: 05/2017 - \$59,250.00 09/2016 - \$59,000.00</p>	David Cinabro, Chair of Physics; approved by Kenneth Doherty
16			907,813.68		
B. EXECUTIVE OFFICER WAIVER FOR PROFESSIONAL SERVICES (S26 - Decatur or Wright Only)					
17	P0933703	Gotham Artists Talent Service Designated Fund Accounts, Office of VP Community Affairs	37,000.00	<p>Basis: Recommended Source for Professional Services - Agent for MLK Speaker MLK Speaking Engagement for Government and Community Affairs from Gotham Artists.</p> <p>The speaker for the MLK Event is W. Kamau Bell. The event will be held at the Max and Marjorie Fisher Theater. The speaker is only available through their agency, Gotham Artists. It is important to continue to have high-caliber speakers at this annual event, and W. Kamau Bell is of that caliber.</p> <p>This will be the second time that Government and Community Affairs has selected a speaker through Gotham Artists.</p> <p>Previous order: - 2019 - \$30,000.00</p>	Victor Green, Community Affairs Director; approved by Michael Wright
18	P0932524	Kelley Cawthorne Consulting General Fund Accounts and Designated Fund Accounts; State Relations and Psychiatry Admin, VP Health Affairs	123,172.50	<p>Basis: Compatible with Prior Purchases - Important Community Lobbying Services Kelly Cawthorne Lobbying and Consulting services in Lansing. Government and Community affairs has utilized the lobbying and consulting services of Kelly Cawthorne PLLC, since 2001. They are pleased with Kelly Cawthorne's services, and prefer not to consider other options at this time, based on the long-standing relationship.</p> <p>Given the addition of government health affairs to the Division and the need for continuity on several very high-level health affairs initiatives, Governmental Affairs determined it is in the University's best interest to maintain its affiliation with Kelley Cawthorne.</p> <p>Previous PO's include: 10/8/18 \$120,450.00 4/23/18 \$115,500.00 10/11/16 \$115,500.00 10/27/15 \$66,000.00 10/8/14 \$57,680.00 2/3/14 \$57,680.00 11/30/12 \$57,680.00</p>	Patrick Lindsey VP Health Affairs; approved by Michael Wright

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PO NUMBER	VENDOR	FUNDING TYPE / SOURCE / UNIT	PRICE	DESCRIPTION	Approved by
19	P0930080	Enrollment Research Associat General Fund Accounts, Law School Admin	60,000.00	<p>Basis: Recommended Source for Professional Services - Identified through the RFP Process Admissions and enrollment consultant services for the Law School provided by Enrollment Research Associates.</p> <p>These services are to assist the Law School in maximizing the quality and number of incoming students by conducting market research and competitor analysis and building a comprehensive, multi-year enrollment management research database, including admissions, financial aid, and student performance data.</p> <p>There was a competitive bid process for admissions consulting services for fiscal year 2019. The contract award went to a firm named Yellow Arrows, based on both competence and price. Yellow Arrow's extensvie background in law school admissions provided significant training to law school enrollment staff, in the process of applying data to the admissions process.</p> <p>This year the Law School would like to engage with the Enrollment Research firm due to their statistical analyis skills and capabilities. This is a differnt skill set which will further enchance the process. Enrollment Research was another respondent to the 2018-19 RFP, but was not selected for the first phase of this project.</p>	DEEB Mozid, Director of Business Affairs, Law School, approved by Michael Wright
20	P0935210	Alliance for Global Justice Grants, Contracts, Restricted Gift Accounts; Law School Admin	42,000.00	<p>Basis: Recommended Source for Professional Services - Specialized Core Compentencies Consulting Services for for capacity-building and technical assistance support for the Detroit Equity Action Lab (DEAL) at the Law School, to be provided by Ad Astra. This service is to build the network infrastructure that will allow the network of DEAL fellows to operate with clarified purpose, and to be in alignment with the mission, vision and values of DEAL. The goal is that through the network infrastructure build-out, which will focus on these key areas, network resource development, network size, network skill, network density and co-creation, DEAL will steward network sustainability. This work will be facilitated through a Swarm Lab curriculum that includes coaching, decision - making models, program models, and evaluation tools.</p> <p>The DEAL fellowship and subsequent network of DEAL fellows is a unique program that address many specialized issues such as structural racism, racial equity and grassroots organizing within a singular network. The development of this network of organizers, administrators, artists and advocates requires a highly specialized expertise in content and curriculum relevant to several factors, including decentralized network development, movement organizing and systemic racism in Detroit and the region, in order to be able to catalyze a network to act collectively upon the said issues.</p> <p>The grant details that the Law School will ultimately build a decentralized network of local actors that address structural racism through a multi-layered, cross sector approach. This is an innovative and specialized set of programming that requires the assistance of consultants with appropriate expertise and skills.</p> <p>AdAstra's team is uniquely positioned as the core competency is helping networks rapidly expand and engage new people in the action of the network as it becomes more self-organized and decentralized. AdAstra has piloted innovative decentralized approaches to governance, fundraising and communications. The team is diverse racially and in subject matter expertise. The Law School has worked with the team at AdAstra to build organizational capacity which makes them uniquely positioned to understand the bandwidth and nuances of the DEAL staff and the DEAL network. The team also has roots in the Detroit social justice organizing community, as they have been involved with many community members on national issues.</p>	Adeeb Mizip, Director of the Law School Business Office; approved by Kenneth Doherty

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21	P0934872	Rieth Jones Advisors LLC	Auxiliary Fund Accounts; Housing	<p>44,150.00 Basis: Recommended Source for Professional Services - Prior University Work and Consultants Expertise Consulting Services to provide a Housing Demand Assessment for Housing and Residential Life, provided by Rieth Jones Advisors.</p> <p>This engagement will include an information request & review, stakeholder interviews, student focus groups, competition analysis, student survey development, implementation, and analysis, presentation of findings and recommendations, and a memorandum of observations and findings.</p> <p>Working with another firm, Richard Rieth served as the lead consultant for Wayne State's previous housing market studies in 2014 and 2016, which were high in quality and very accurate in predicting demand. Richard Rieth's current team remains familiar with existing and new housing facilities. This including a good understanding of the housing facilities master plan approved by the Board of Governors in 2016, the University's peer competitors, and the local housing market to be studied. With the addition of Chatsworth Suites in fall 2020 and other occupancy disruption since the Anthony Wayne Drive Apartments have come on line recently, the Housing will need an updated study to help them manage the occupancy for fall 2020.</p> <p>No other consultant would be able to provide a complete and timely report that will help shape necessary spring 2020 decisions without having previous knowledge of both our infrastructure and prior studies. The only firm with individuals that have that level of previous experience is Rieth Jones Advisors.</p>	Timothy Michael, AVP and Chief Housing Ofcr.; approved by Kenneth Doherty
		5	\$306,322.50		

C. URGENT OR EMERGENCY REQUIREMENT (S06)

22	P0938071	Macomb Pipe & Supply	Plant Fund Account FP&M AVP Admin	<p>40,563.20 Basis: Use of a Strategic Supplier for an Urgent Repair McGregor Memorial Conference Center Trash Pump Replacement to replace the trash pump with new sewage sump skid by Grunfos - 2 pumps, floats, control panel and check valves for FPM to be provided by Macomb Pipe and Supply.</p> <p>The existing system is past its useful life expectancy of 30 years. Currently only one pump is functional and should it fail, it will close the kitchen in McGregor down putting a halt to all University catering as well as breaching the Aramark contract.</p> <p>The Macomb Group is currently the preferred supplier for plumbing materials and supplies as a result of an RFP for Strategic Source Plumbing Supplies.</p> <p>Facilities is taking steps to improve the capital renewal process and will be working with Procurement to release an RFP for pump and asset replacement variables.</p>	Steven Pecic, Interim AVP FP&M; approved by Kenneth Doherty
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23	P0891444	Pathogen Control Associates	140,000.00	<p>Basis: Compatible with and continuation of prior purchases.</p> <p>Analysis of water samples for Legionella bacteria, as required by WSU's Water Safety Team provided by PathCon Laboratories. PathCon is Environmental Microbiology Laboratory Accreditation Program (EMLAP) accredited for bacteria detection, A2LA accredited for Legionella analysis, exceeds CDC and ISO standards for Legionella detection, and is usually able to provide preliminary verbal lab results 4 days after samples are received. .</p> <p>PathCon visited WSU on multiple occasions in 2018 and is familiar with the specific building systems that required testing. This allows them to provide long-distance consultation when needed.</p> <p>To protect public health, there is a critical need to continue to analyze water samples for Legionella bacteria following a consistent analytical and reporting methodology in order to determine when corrective actions are needed, and when proactive modifications to our Water Safety Program are warranted.</p> <p>Due to variation of analytical methodology and reporting, it is critically important to continue to work with the same lab in order to accurately compare current and previous results. It is critical to work with a lab that analyzes and reports results in a consistent manner.</p> <p>Last year, in response to an urgent public health concern, PathCon was selected to provide consultation and lab services as an internationally recognized authority in Legionella detection, analysis, and remediation. The Office of Environmental Health and Safety, OEHS is researching to determine if other laboratories possess similar capability. If similar analysis and reporting is available from other labs, OEHS can obtain quotes. However, what OEHS has found is that other labs do not possess the same level of familiarity with our campus including the specific building systems that we are testing.</p> <p>This order is to increase PO P0891444 by \$65,000, from \$10,000 to \$75,000 to cover the above services, but the Bid Waiver is in the amount of \$140,000 to cover future anticipated needs for this issue.</p> <p>Prior Orders include 1/25/19 \$21,750.00 12/12/18 \$10,000.00 6/4/18 \$280,501.41</p>	
24	P0937314	Macomb Pipe & Supply	33,494.84	<p>Basis: Use of a Strategic Supplier for an Urgent Repair</p> <p>Parts and materials for a domestic water system at the Faculty Administration Building (FAB) for FP&M. The repairs are of an urgent nature, due to a failing pump. This will help ensure adequate water pressure in the building.</p> <p>The Macomb Group is currently the preferred supplier for plumbing materials and supplies as a result of an RFP for Strategic Source Plumbing Supplies.</p>	Steven Pecic, Interim AVP FP&M; approved by Kenneth Doherty
25	P0937307	Macomb Pipe & Supply	30,005.22	<p>Basis: Use of a Strategic Supplier for an Urgent Repair</p> <p>Grundfos Booster Pump model MPC E 2CRE20-2 3X460V 60HZ with an expansion Tank for the Welcome Center. This is an emergency in which one of two booster pumps has failed, and the second is barely working. The second pump does not have proper power to work adequately to provide water pressure to the building.</p> <p>The Macomb Group is currently the preferred supplier for plumbing materials and supplies as a result of an RFP for Strategic Source Plumbing Supplies.</p>	Angela Strickland, Director FP&M; approved by Kenneth Doherty

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26	P0934888	Bruker Biospin Corporation	Plant Fund Account FP&M AVP Admin	75,050.00 Basis: Use of a Original Equipment Provider for an Urgent Supplies Helium refills for the MRI located in the Elliman Building for Facilities Planning and Management (FPM) to be provided by Bruker Biospin Corporation. Due to an error by the engineering staff, the cooling system for the newly upgraded MRI in the basement of Elliman is not functioning. This resulted from an unexpected problem during construction / renovation of the space. When the cooling system does not work, the MRI loses helium and needs to be refilled bi-weekly at a cost of \$25,910 per fill. This refill is time sensitive and critical to avoid damaging the MRI Since this MRI was manufactured and purchased from Bruker Biospin (P0878409 dated 08/20/2018 totaling \$585,000), and is still under warranty by Bruker, it is best to have this situation handled by Bruker so as to not void the warranty and maintenance.	Fran Ahern, Sr Director of Design and Construction Services FP&M; approved by Kenneth Doherty
5			\$319,113.26		
D. COMPATIBILITY WITH PREVIOUSLY PURCHASED EQUIPMENT OR SERVICES					
27	P0932533	Lightning Source, Inc.	Auxiliary Fund Accounts, Univ Press Admin	30,000.00 BASIS: Compatible with and continuation of prior purchases. Overseas Print on Demand (POD)/Short run books distribution services. University Press will utilize Lightning Source Inc. (LSI) to print and distribute books internationally. The Press's current publishers, Sheridan Books and Bookmobile, do not have the distribution routes to facilitate these sales. Our current distributor, Eurospan Group, works exclusively with Ingram to purchase POD titles and Lightning Source is the only POD vendor directly associated with Ingram that can place our titles in distribution channels the Press wants to expand into. The Press is beginning to investigate competitive options for the future, but at this time, they are the only known source for this distribution network. Prior orders to Lightning Source include 10/3/18 \$35,000.00 9/10/18 \$120,000.00 10/30/17 \$30,000.00 10/2/17 \$91,500.00 11/23/16 \$30,500.00 11/3/16 \$51,000.00	Tara Reeser, Interim Director, University Press; approved by Michael Wright

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28	P0932530	Lightning Source, Inc.	Auxiliary Fund Accounts, Univ Press Admin	100,000.00 BASIS: Compatible with and continuation of prior purchases. Print on Demand Services for short runs and distribution of University Press Books from Lightning Source (LSI). The vendor provides on demand service in the European marketplace which allows the WSU Press global circulation. Utilization of Lightning Source allows University Press to POD drop-ship books directly to customers. Only LSI offers the distribution channels and direct one-off POD via Ingram that the PRes's distributors currently work with. The Press is beginning to investigate competitive options for the future, but at this time, they are the only known source for this distribution network. Prior orders to Lightning Source include 10/03/18 \$35,000.00 09/10/18 \$120,000.00 10/30/17 \$30,000.00 10/02/17 \$91,500.00 11/23/16 \$30,500.00 11/03/16 \$51,000.00	Tara Reeser, Interim Director, University Press; approved by Michael Wright
29	P0930382	PRX Inc	Auxiliary Fund Accounts, WDET	37,083.80 BASIS: Compatible with and continuation of prior purchases. Public Radio Programming for WDET provided by PRX. PRX is the only provider of the national program selections that have been selected by WDET. Previous Orders: 08/2018 - \$30,155.25 09/2017 - \$27,162.00 11/2016 - \$26,662.00 08/2015 - \$18,676.00	Tara Reeser, Interim Director, University Press; approved by William Decatur
30	P0912049	Headlamp Advisors LLC	Grants, Contracts, Restricted Gift Accounts; PRB Administration	146,109.00 BASIS: Compatible with and continuation of prior purchases - resulting in developed expertise Scientific Project Manager services for the PRB, to improve and identify clinical and research matters. Headlamp Advisors provided services to the PRB in 2018 for the NIH site visit and produced a high quality product. With their assistance, PRB received an overall score of 1.1 (a perfect score). PRB would like to continue this working relationship with Headlamp because of the excellent work they produced and their familiarity with the PRB research needs. These professional services are unique to the service requested and are not widely available. Headlamp Advisors has the capacity to handle the workload. This is a local firm, therefore they will not incur and pass along long-distance travel costs, which can be as much as 15-20% of professional fees. In 2018, the PRB also consulted with 2 other companies, PM Alliance and Blue Cottage Consulting, and considered direct hiring employee(s) to perform the service. The candidates' skills, backgrounds, and abilities to perform the required tasks were scrutinized. However, none of the other candidates possessed the abilities to complete these tasks properly and timely. Subsequently, Blue Cottage Consulting referred us to Headlamp Advisors because they were unable to perform the services requested." Continuation of P0912049. This Bid Waiver request is for an additional \$100,000. P0912049 will increase from \$96,000 to \$146,109. PO will be amended for remaining balance (approx, \$50,000) at a later date. The prior order was issued in March 2018 at \$220,000.	Chaur-Dong HSU, Department Chair - Obstetrics/Gynecology; approved by Michael Wright

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PO NUMBER	VENDOR	FUNDING TYPE / SOURCE / UNIT	PRICE	DESCRIPTION	Approved by
31	P0929531	Radio Research Consortium, I Auxiliary Fund Accounts, WDET	65,290.00	<p>BASIS: Compatible with and continuation of prior purchases from a Sole Source Access to the Scarborough data through Tapscap Qualitap, Scarborough Reports and Tapscan, Arbitron Audience Data Reports and PPM, Base/Weeklies/Analysis Reports for WDET from the Radio Research Consortium.</p> <p>Radio Research Consortium is the sole provider of ratings and audience data for public media.</p> <p>Previous orders: 09/2018 - \$62,555.00 12/2017 - \$60,225.00 02/2017 - \$44,010.00 02/2016 - \$73,325.00 12/2014 - \$58,660.00 11/2013 - \$55,340.00 03/2013 - \$52,440.00</p>	Derek Donnellson; Manger WDET; approved by William Decatur
32	P0932704	Dell Incorporated	119,545.50	<p>BASIS: Compatible with existing equipment - Better Integration with Standardization PowerEdge Servers for C&IT from Dell Incorporated.</p> <p>These servers will increase existing storage capacity to grow the Multi-Institutional Open Storage Research InfraStructure (MI-OSIRIS) grant environment.</p> <p>The servers requested are compatible with our existing servers. In addition, WSU, UM and MSU are part of a threeway grant which specified these servers that meet the need and scope of the project. These servers will match the installations at UM and MSU</p> <p>Dell and it's products were chosen at the beginning of the grant and is now the standard for the grant. The supplier or product/service was not specifically identified in the initial grant itself.</p>	Daren Hubbard, AVP & CIO of CIT; approved by Kenneth Doherty
33	P0929982	The Estell Group LLC	117,200.00	<p>BASIS: Continuation of Services based on prior Competitive Bid - resulting in developed expertise Lobbyist Services for Governmental Affairs provided by The Estell Group.</p> <p>The Estell Group provides excellent assistance to WSU in its efforts to identify grant opportunities and obtain funding from federal agencies, and in providing federal legislative and agency counsel. The principal, Anita Estell, has solid connections in the Washington, DC, area and has formed strong relationships with Members of Congress and their staff.</p> <p>Estell Group was awarded a contract as a result of a competitive bid in 2012 under the company name Polsinelli PC. Contracts for the WSU lobbyists/consultants are generally bid out every 3-5 years. As opposed to a contract for a specific project, these services are ongoing, and we believe consistency is imperative in ensuring the University's interests are safeguarded.</p> <p>Prior orders to the Estell Group include: 10/3/18 at \$117,200.00 10/6/17 at \$117,200.00 11/11/16 at \$117,200.00 10/21/15 at \$117,707.20 1/29/15 at \$88,400.00</p>	Patrick Lindsey VP Health Affairs; approved by Michael Wright

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PO NUMBER	VENDOR	FUNDING TYPE / SOURCE / UNIT	PRICE	DESCRIPTION	Approved by
34	P0929522	Alan J Burgener	General Fund Accounts, ASP Education Fund, Medicine	50,000.00 BASIS: Compatible with and continuation of prior purchases - resulting in developed expertise Consulting Services to assist with Strategic Planning and Leadership Development work for the School of Medicine. This is a continuation on the building on the Strategic Action Plan Outline of the Office of Medical Education, and provides an External Assessment of the Structure, Strategic Direction and Performance of the Office. This is a continuation of prior work, reference Prior orders: 8-15-2018 @ \$40,000, 4/20/2018 @ \$50,000, 10-2017 @ \$25,000 and 3-2017 @ \$20,000 Alan Burgener has the unique knowledge, experience and relationship with the Medical School to make this project a success.	DeShaun Harris; CIO School of Medicine; approved by Michael Wright
35	P0929782	National Public Radio	Auxiliary Fund Accounts, WDET	319,794.00 BASIS: Compatible with and continuation of prior purchases. Programming services for WDET provided by National Public Radio. National Public Radio is the only provider of the national program selections broadcast by WDET as listed on the member program purchase form. Previous orders: 2018 - \$299,206.97 2017 - \$288,317.00 2016 - \$278,567.00 2015 - \$278,586.00	Derek Donnellon, Manager Business Affairs WDET; approved by William Decatur
36	P0930383	Nerds Xpress LLC	General Fund Account C-Comm Campus Operations CIT	63,000.00 BASIS: Compatible with and continuation of prior purchases - necessary continuity of the service Annual software maintenance and support services for University's Qognify/NICEVision security surveillance camera software system licenses, maintenance and support. The University currently uses the Qognify/NICEVision video system for our campus-wide security camera surveillance. Annual software and hardware maintenance and support has been provided through local pre-qualified and authorized Qognify business partners. For FY18 and 19 this service was acquired thru authorized partner, Nerds Express. C&IT wished to continue only the software portion of this agreement for FY20 as the hardware maintenance will be bid via a low voltage cabling vendor RFP currently in process, as the hardware maintenance and cleaning portion of this service is not proprietary and does not require a Qognify business partner for this service. C&IT is working with Nerds Xpress on necessary systems wide software upgrades which continued to be delayed in FY19 due to infrastructure preparedness, training issues, and scheduling issues but are due to be completed in early FY20. It is important to complete this initiative with Nerds Xpress to avoid further delays.	Daren Hubbard, AVP & CIO of CIT; approved by Kenneth Doherty
37	P0893882	Computech Corporation	Grants, Contracts, Restricted Gift Accounts; PRB Administration	57,125.00 BASIS: Compatible with and continuation of prior purchases based on a competitive bid Faculty Recruitment for Perinatology Research Branch (PRB). This order covers salary reimbursement for Kovida Rao , who manages the Fellowship operational activities, and assists Program Director in creating policies. Her primary mission is to evaluate patients during pregnancy and identify patients at risk for adverse outcomes. Additionally, she is the liaison between the Fellowship program and the Graduate Medical Education Office. Kovida Rao's end date is January 3, 2020. This bid waiver is to increase the existing PO P0893882 by \$18,500 from \$38625.00 to \$57,125.00. The amendment is to cover pay periods: 09/09/2019- 01/03/2020. The five year strategic source agreement for external faculty assignments through Computech dated June 27, 2014 expired, hence the waiver for the added funds is to close out this particular engagement with Computech. Procurement is currently working with the PRB to establish a Request for Proposal for future temporary staffing services.	Chaur-Dong HSU, Department Chair - Obstetrics/Gynecology; approved by Kenneth Doherty

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PO NUMBER	VENDOR	FUNDING TYPE / SOURCE / UNIT	PRICE	DESCRIPTION	Approved by
38	P0894152	Computech Corporation	452,240.16	<p>BASIS: Compatible with and continuation of prior purchases based on a competitive bid Computech Corporation provides temporary Staffing services for the Perinatology Research Branch. This increase will cover five positions through December 2019. They including administrative/clerical positions that assist Dr Chaur Don Hsu, Project Site Manager and Dr. Roberto Romero, Chief PRB and Program Director of the Perinatal Research NIH.</p> <p>The current purchase order - P0894152 is encumbered at \$343,240.16 but will increase by \$109,000.00 to \$450,240.07 which will cover salaries for the five positions through December 2019.</p> <p>The five year strategic source agreement for external faculty assignments through Computech dated June 27, 2014 expired, hence the waiver for the added funds is to close out this particular engagement with Computech. Procurement is currently working with the PRB to establish a Request for Proposal for future temporary staffing services.</p>	Chaur-Dong HSU, Department Chair - Obstetrics/Gynecology; approved by Kenneth Doherty
39	P0893849	Computech Corporation	235,873.76	<p>BASIS: Compatible with and continuation of prior purchases based on a competitive bid Faculty Recruitment for Perinatology Research Branch (PRB). Salary reimbursement for Dr. Edgar Hernandez who led an ultrasound and imaging team. Dr. Hernandez participated in the training of residents, fellows and members of the research team. His primary mission was to evaluate patients during pregnancy and identify patients at risk for adverse outcomes.</p> <p>Dr. Hernandez's contract end date is October 4, 2019. This bid waiver is to increase the existing PO P0893849 by \$39,793.76, from \$196,080.00 to \$235,873.76. The amendment is to cover 4 pay periods; 8/12/19-10/6/19. The five year strategic source agreement for external faculty assignments through Computech dated June 27, 2014 expired, hence the waiver for the added funds is to close out this particular engagement with Computech.</p>	Chaur-Dong HSU, Department Chair - Obstetrics/Gynecology; approved by Kenneth Doherty
40	P0930564	Admithub Inc	96,000.00	<p>BASIS: Compatible with and continuation of prior purchases from the only known source Artificial Intelligence Virtual Assistant for Enrollment Management from AdmitHub. AdmitHub is an artificial intelligence (AI) virtual assistant, which helps prospective students successfully apply and enroll in college. AdmitHub is the only known provider of artificial intelligence virtual assistance through text and mobile messaging.</p> <p>This is the same company providing services under text messaging customer relationship management system. AdmitHub is currently providing services for this scope of work and it is related to a Detroit resident focused grant project.</p> <p>This tool would be used to enhance the departments customer service through messaging.</p> <p>Previous orders: 10/2017 - \$66,000.00 12/2018 - \$83,333.00</p>	Dawn Medley, AVP Enrollment Mgmt; approved by Kenneth Doherty
41	P0930141	Double Robotics	33,881.20	<p>BASIS: Compatible with and an Upgrade to Existing Equipment - Tele-presence Robot Heads for the College of Nursing C2 Pipeline Program. The Program works in local high schools to offer students access to STEM educational opportunities.</p> <p>The Robots were originally purchased for C2 Pipeline Students (high school) from Double Robotics Inc. in June 2018 on PO P0867472 at a cost of \$55,785.90</p> <p>This upgrade to version 3 eliminates the need for an external camera, external speaker, and use of the Apple operating systems. This upgrade is more rugged for a school setting, and allows for not only the distance aspect of the robot but allows students to program the robots. These also have the capability to avoid obstacles that have cause crashes and damage to the robot, do space mapping, and provide the external user an easier experience. In addition there is a pan up/down and zoom feature which allows users the ability to actually read documents on a desk as well as across a room.</p> <p>This is a new version limited to purchase only through the manufacturer.</p>	Dr. Laurie Lauzon Clabo, Dean of Nursing; approved by Kenneth Doherty

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42	P0938072	University of Chicago	General Fund Accounts, Finance Administration	26,390.00	<p>BASIS: Compatible with and continuation of prior purchases for proprietary software Proprietary CRSP Data Software for the Mike Ilich School of Business from University of Chicago. This software is only available from University of Chicago as they are the creators of the software.</p> <p>This is software that the college has been using for the past few years, for teaching and research and would like to continue to use. The Software has been in use since January 2013, but prior purchases ranged between \$20,000 and \$24,000, below the University bid threshold.</p> <p>Prior orders: 12/2018 - \$25,620.00 11/2017 - \$24,880.00 12/2016 - \$23,990.00 11/2015 - \$23,130.00 11/2014 - \$22,250.00 11/2013 - \$21,400.00</p>	Marick Masters, Department Chair Mike Ilich School of Business; approved by Kenneth Doherty
43	P0935898	Stanton Publication Services	Designated Fund Accounts; Univ Press	39,176.40	<p>BASIS: Compatible with and continuation of prior purchases based on a previous bid Short Run and Print-on-Demand Printing of Press Journals for the University Press. Stanton Publications, dba Bookmobile, was first awarded a contract through an RFQ in 2011, but that agreement expired. Since then, the Press has spoken with other vendors to source this work; however, other vendors are not able to provide the print-on-demand services, nor the print qualify required by the Press.</p> <p>In addition, many Press journals are already contained in the Bookmobile system (production files, including layouts, typesetting...), which would make it costly and impractical to move to another vendor.</p> <p>Prior orders: 9/27/2018 - \$48,486 9/15/2017 - \$68,609 10/7/2016 - \$44,183</p>	Tara Resse, Interim Director of University Press; approved by Michael Wright
44	P0936808	RuffaloCODY Holdings LLC	General Fund Account; Development Call Center	549,571.31	<p>BASIS: Compatible with and continuation of prior purchases - no known competitors for full service Managed phone solicitation program for WSU Annual Giving department, including: cell phone append, email verification and append services, advanced address research, new equipment and server, Giving Day module, digital display advertising, enhanced analytics and Scalefunder (crowdfunding platform).</p> <p>Annual Giving began using Ruffalo Noel Levitz (formerly RuffaloCODY) to operate the WSU call center fundraising program in 2005. The gifts and new donors obtained through the call center have increased steadily since 2005. The services provided by Ruffalo Noel Levitz are unique in many ways, including that they operate the program on-campus, employ WSU students, and are constantly creating and offering new services to improve the program and make it more effective.</p> <p>Annual Giving researched several companies offering phone solicitation programs and the other services. None of the other companies can provide all of the desired services to increase donor engagement.</p> <p>Previous orders: 11/18/2019 \$549,571.31 9/18/2018 \$559,677.19 9/19/2017 \$561,443.00 10/5/2016 \$597,764.00 9/28/2015 \$561,100.00 10/27/2014 \$545,500.00 11/1/2013 \$546,200.00 12/4/2012 \$530,500.00</p>	Susan Burns, VP of Development and Alumni Affairs; approved by Michael Wright

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45	P0936278	Regents of the University of Michigan	231,877.80	<p>BASIS: Compatible with and continuation of prior purchases with University of Michigan Sample processing and DNA sequencing services from the University of Michigan (U of M) Advanced Genomics Core for WSU, Perinatology Research Branch (PRB).</p> <p>U of M Advanced Genomics Core is unique in that they have experience handling very large sample sets, such as that of the current project. U of M is very capable of conducting DNA extractions from this large volume of samples, they have worked previously with DNA and microbiome sequence data from vaginal swabs, and they can provide us access to the requested sequence data quickly.</p> <p>Other vendors that provide metagenomics (shotgun/whole genome) sequencing services were not comparable to U of M services. We have used the shotgun sequencing services of the U of M Advanced Genomics Core previously on a different, smaller-scale project, and the quality of sequence data were excellent, services were rapidly rendered, and customer service after the sequence data was delivered was exceptional.</p> <p>Previous orders: 1/23/2017 \$12,399.58 2/17/2017 \$12,948.28</p>	Chaur-Dong Hsu, Project Site Manager; approved by Kenneth Doherty
46	P0937943	Illumina, Inc.	144,242.65	<p>BASIS: Compatible with existing equipment - must use matching supplies NextSeq High Output Kits and NovaSeq Reagent Kits (consumable supplies) for the Center for Molecular Medicine and Genetics (CMMG)</p> <p>Illumina is the only manufacturer of the supplies needed for the Illumina NextSeq 500 Sequencer purchased on 4/1/2014 that is currently set up in the lab.</p> <p>Previous orders: 5/09/2018 \$51,145.75 4/01/2017 \$45,289.00 3/18/2016 \$127,264.60 3/01/2016 \$84,000.00</p>	Dr Grossman, PRB Admin; approved by Kenneth Doherty
47	P0937471	Tecniplast USA, Inc	31,506.17	<p>BASIS: Compatible with existing equipment - caging must match Single sided individual ventilated cage racks, 70 cages for animals and automatic watering manifolds from Tecniplast USA for WSU, Division of Laboratory Animal Resources (DLAR). This type of caging and will be compatible with existing equipment. Using another manufacturer introduces a totally different style of caging, components, care and use. The manifolds are the only ones compatible to Tecniplast rack.</p> <p>Prior order on 7/8/2015 was for \$398,522.34 for the original equipment purchase</p>	Gerry Hish, AVP DLAR; approved by Kenneth Doherty
48	P0936706	Educational Computer System	35,000.00	<p>BASIS: Compatible with and continuation of prior purchases - system used by most Michigan universities Hosted platform for billing and payment services for campus-based federal and university loans for Student Accounts Receivable provided by Heartland Educational Computer Systems Inc (ECSI).</p> <p>This request is for a six-month extension to the agreement that is expired. The Bursar is working with Procurement to assess whether this can be bid through the Request for Proposal (RFP) process.</p> <p>Previous orders: 11/2018 \$70,000 10/2017 \$70,000.00 09/2016 \$70,000.00 10/2015 \$70,000.00 10/2014 \$71,000.16 02/2014 \$55,000.00</p>	Patrick Baine, Director, Bursar's Office; approved by Kenneth Doherty

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49	P0936119	10XGenomics	51,935.00	<p>BASIS: Compatible with and continuation of prior purchases - only known source Chromium Controller & Next GEM Accessory Kit with additional reagent kits for Obstetrics/Gynecology in the Division of Research from 10X Genomics.</p> <p>Single cell technology is critical for studying biological heterogeneity and is an important service to be offered by the genomics core. The droplet microfluidics technology employed in the Chromium Controller allows for the characterization of 10,000 cells per sample at the highest sensitivity of any system currently on the market (32% of each cells transcriptome)</p> <p>These items are only manufactured by 10x Genomics</p> <p>Prior orders: 10/31/2019 - \$87,059.80 09/19/2019 - \$13,279.30 09/09/2019 - \$19,500.00 09/05/2019 - \$77,275.00 07/24/2019 - \$18,750.00</p>	Stephen Lanier, VP for Research; approved by Kenneth Doherty
50	P0935884	BGI Americas Corporation	38,990.00	<p>BASIS: Compatible with and continuation of prior purchases Perform low-input RNA sequencing of 90 mouse samples containing isolated immune cells for Perinatology Research Branch. The Perinatal Immunobiology Unit of PRB focuses on understanding the immunological mechanisms of disease for the "Great Obstetrical Syndromes". The Unit study necessitate specialized RNA sequencing technology that has been optimized for working with small RNA amounts.</p> <p>BGI is the optimal provider of these services for several reasons. First, very few sequencing providers offer the low-input technology required for utilization of our samples. Second, as one of these few providers, BGI has offered to match competitor pricing, thus giving us a competitive and reasonable quote. Finally, we have worked with BGI multiple times in the past and are confident in the quality of the sequencing and analysis.</p> <p>Based on these facts, the department is requesting for Low-Input RNA Sequencing services offered by BGI.</p> <p>Prior POs to BGI include: P0932642 (10/2019) - PO amount \$14,145.00 P0909266 (5/2019) - PO amount \$7,080.00 P0884892 (10/2018) - PO amount \$22,090.00</p>	Chaur-Dong Hsu, Project Site Manager; approved by Michael Wright
51	P0935710	Illumina, Inc.	300,000.00	<p>BASIS: Compatible with and continuation of prior purchases - critical for research Illumina EPIC Methylation BeadChip Kit-96 samples and NovaSeq 6000 flow cells and reagent kits for Applied Genomics Technology Center (AGTC).</p> <p>These reagents are necessary to continue work on the Environmental Contributions to Children's Health Outcomes (ECHO) project and a University of North Carolina project studying perinatal epidemiology.</p> <p>The NovaSeq flow cells are necessary for generating high throughput data for sequencing projects. These items are only manufactured by Illumina. These reagents will run on Illumina iScan and NovaSeq which are contained within the core.</p> <p>Previous blanket orders: 2018-2019 -- \$276,377.60 2017-2018 -- \$276,000.00 2016-2017 -- \$251,302.00</p>	Stephen Lanier, VP for Research; approved by Kenneth Doherty

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PO NUMBER	VENDOR	FUNDING TYPE / SOURCE / UNIT	PRICE	DESCRIPTION	Approved by
52	P0935531	SolarWinds Inc	30,512.00	<p>BASIS: Compatible with and continuation of prior purchases Support and software maintenance associated with the network monitoring software for Computing and Information Technology from SolarWinds.</p> <p>This service includes a Network Performance Monitor SLX, Device Tracker, and Polling Engine, which is provided directly by Solar Winds for monitoring the University's network infrastructure, including all 50,000+ network routers, switches, cameras, and wireless access points and their interfaces.</p> <p>WSU acquired SolarWinds perpetually licensed software as a result of an approved bid waiver in 2015. Support and maintenance for this software is required and is renewed and paid annually. The C&IT Network team currently anticipates use of this product for an additional 5 years.</p> <p>This was originally purchased directly through SolarWinds. While SolarWinds allows for customers to purchase their software and maintenance via their partnered value-added resellers (VARs), they indicated that this does not provide a pricing advantage to work with a VAR and thus a direct purchase for support and maintenance with SolarWinds is still most cost effective. In addition, if an RFP or RFQ is sent to their value added resellers, then SolarWinds will not bid direct, so we'll lose the option of purchasing direct.</p>	Daren Hubbard, AVP & CIO of C&IT; approved by Kenneth Doherty
53	P0934850	Becton Dickinson & Company	32,393.54	<p>BASIS: Compatible with existing equipment Flow Cytometry System supplies for the Perinatal Immunobiology Unit of the Perinatology Research Branch from Becton Dickinson.</p> <p>These supplies are required for the study of phenotype and functional status of the immune cell populations in different physiological compartments during and after pregnancy. BD Biosciences is the primary choice of provider for flow cytometry antibodies for the following reasons:</p> <ol style="list-style-type: none"> 1) all of the flow cytometer machines currently operated by the Research Unit are from BD Biosciences, and the antibodies and other reagents from BD have all been optimized for use on these machines, thereby reducing the time and expense required to validate antibodies and reagents from other vendors for use in these systems; 2) BD provides the largest catalog of available flow cytometry antibodies, allowing for greater freedom when designing experiments; and 3) many of the BD antibodies requested for this purchase have been previously utilized by the Research Unit in other experimental protocols and therefore require less standardization for use in new studies. For the Research Unit to maintain integrity of the work that has already been processed, this requires the purchase of specific antibodies from BD Biosciences. <p>The Perinatal Immunobiology Unit of the Perinatology Research Branch has direct knowledge of the molecular, immunological and biological mechanisms required for flow cytometry since it is what is being utilized currently.</p> <p>BD System Purchased on PO P0661974 in 2014 at a cost of \$429,949.50</p>	Chaur-Dong Hsu, Project Site Manager; approved by Kenneth Doherty
54	P0934842	Myriad RBM, Inc.	78,496.00	<p>BASIS: Compatible with and continuation of prior purchases TruCulture blood collection and culture system for the Perinatal Immunobiology Unit of PRB to perform extensive longitudinal studies of pregnant women.</p> <p>The reproducibility and simplistic design of the Myriad RBM TruCulture system are integral to the studies being performed at the PRB. This system is needed to continue these studies and maintain experimental consistency.</p> <p>Previous POs issued by the PRB to Myriad RBM. P0907133 4/16/2019 at \$19,926.00 P0661622 1/31/2014 at \$541,728.00 P0605312 9/12/2012 at \$458,400.00</p>	Chaur-Dong Hsu, Project Site Manager; approved by Kenneth Doherty

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55	P0934829	Vanderbilt University Medical Grants, Contracts, Restricted Gift Accounts; Oncology Admin	75,075.00	<p>BASIS: Compatible with and continuation of prior purchases Genotyping samples for Dr. Ann Schwartz's research study (Detroit ROCS) in the Department of Oncology. Wayne State does not have a Genomics Core that is able to do this work.</p> <p>In the past, Oncology worked with the University of Michigan for genotyping services. However, Oncology has found that costs at the Core Lab at Vanderbilt are considerably lower, and therefore are able to genotype more samples.</p> <p>Previous PO# s issued to the Vanderbilt Core Lab include:</p> <p>P0880999 9/27/2018 \$88,787.60 P0876261 8/23/2018 \$72,490.00 P0853644 3/8/2018 \$ 27,500.00</p>	Ann Schwartz; Deputy Director Oncology; approved by Kenneth Doherty
56	P0934856	AtKisson Training Group LLC General Fund Account, VP Research Admin	45,000.00	<p>BASIS: Compatible with and continuation of prior purchases Consulting Services for the OVPR from AtKisson Training Group. ATG will provide a comprehensive program of research grant-writing training to address various funding agencies and research disciplines.</p> <p>This is a very small niche market and there are a small pool of vendors in this work space. Dr. Peg AtKisson was an associate of Grant Writers' Seminars and Workshops from 2008-2016. GWSW was, at the time, the premier training company for academic grant writing. Dr. AtKisson created their training materials for humanities and arts proposals, and was an accomplished presenter for grant writing training across all areas of research, including biomedical sciences. Dr. AtKisson has a PhD in neuroscience and also is a musician and director for musical theater.</p> <p>She founded her own consulting firm in 2017, ATG, updating training methodologies for STEM proposal development to include more engagement and broadening the scope of training to include planning phases and elements of overall career development. She also added capacity for training for Arts and Humanities by co-presenting with an accomplished fundraiser and research development professional, Mary Hensel, who contributed to the materials. Dr. AtKisson also works with clients writing and editing large proposals, both as a service and to be sure that her own skills in grant writing are up to date. No other company has the combination of expertise and attention to client individual needs.</p> <p>Through having Wayne State as a client when she worked for GWSW, she has become familiar with the institution and the high quality of the faculty.</p> <p>There are very few companies who offer research grant proposal development for PhD/MD researchers that have the experience and knowledge needed to help our faculty learn how write competitive proposals to be successful in obtaining external funding, which is necessary to conduct their research programs and can prevent some faculty from receiving tenure.</p> <p>This is an extremely important and high benefit service to the university that helps bring in direct and indirect cost revenue. This is a very specialized area and is very different from writing proposal for non-research areas and must be up-to-date on all the federal regulations for grant proposal preparation and submission, which changes frequently.</p> <p>Past Spend with either Grant Writers or ATKisson has been \$35k in 2013, \$100k in 2014, \$122k in 2015, \$150k in 2016, \$103k in 2017, \$39k in 2018, and \$47k in 2019 prior to this \$45k request.</p>	Denise Figlewicz, AVP for Research; approved by Kenneth Doherty

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57	P0934530	Raise Labs Inc	125,000.00	<p>BASIS: Compatible with and continuation of prior purchases - sole source of of the platform</p> <p>Micro-scholarship facilitation service for Enrollment Management provided by Raise Labs, for the time period July 1, 2019 through June 30, 2020. This is a renewal for July 1, 2019 through June 30, 2020.</p> <p>Raise Labs is currently responsible for co-developing a platform designed to grant micro-scholarships to WSU continuing students for completing activities associated with student success and retention. Raise Labs also will be responsible for finding and selecting Micro Scholarship recipients on behalf of WSU's Student Financial Aid Department. The purpose of this portion of the contract is to identify transfer student opportunities.</p> <p>RaiseMe is the inventor and sole source of this micro-scholarship platform. WSU has partnered with Raise Labs for three years on the freshman program and are the first in the nation to pilot this new program focused at continuing students. This program exists nowhere else, and the technology that RaiseMe utilizes to facilitate these programs is proprietary.</p> <p>MCAN awarded \$25,000 to WSU for this partnership pilot program between RaiseMe and WSU.</p> <p>Previous orders: 09/12/2018 \$31,644.00 07/17/2018 \$26,000.00 04/26/2018 \$10,236.00 01/06/2017 \$29,380.00</p>	Dawn Medley, AVP Enrollment Management; approved by Michael Wright
31			\$3,758,308.29		
E. PARTNERSHIPS/SPONSORS					
58	P0934799	Merit Network, Inc.	38,306.00	<p>Basis: WSU is a founding member of the MERIT Network</p> <p>Work associated with a connection to; and the Indefeasible Right of Use (IRU); four strands of newer Michigan Educational Research Information Triad (Merit) owned dark fiber optic cable currently installed on Woodard along the M1 Rail line for the Computing Center provided by Merit Network. Connectivity to this cable will allow future network connectivity for any WSU building. The WSU Mike Ilitch School of Business will be the first WSU building to use this cable for networking needs.</p> <p>Having this IRU in place allows WSU significantly greater flexibility for future use of these fiber strands. This provides WSU direct access to the fiber strands. Without this access WSU would be required to contract for a carrier network service for WSU buildings requiring network access.</p> <p>Merit most recently constructed conduit into WSU's Computer Center and Maccabees buildings, at its own expense, establishes a central connection to the M1 fiber from which WSU and other Merit members can connect. Merit has been the "point of presence" for networking services in Detroit for Merit members and affiliates for decades. This service better leverages not only network accessibility at WSU but also will better serve the community's needs</p> <p>The term of this IRU is 20 years and there is a possible up to CPI increase on the 10K annual fee. The 20 year term with up to CPI escalator annually, is approximately a grand total of \$300,000.</p>	Daren Hubbard, AVP & CIO of C&IT; approved by Kenneth Doherty
1			\$38,306.00		
F. Bid Waiver not signed off by Procurement. Ordering Dept signed off on contract.					
0			\$0.00		

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59	P0932865 Plagix LLC	General Fund Account, TRC Omnibus Student Technology, CIT Technology	30,459.79	<p>Basis: Informal Bidding Conducted by the Requesting Department Student FTE based site license - Enterprise Subscription software for similarity detection - plagiarism prevention for Computing & Information Technology from PLAGIX. This software is used to protect academic integrity by identifying instances of plagiarism in student assignments.</p> <p>Plagix software was first purchased in 2018 for 12,000 student license. This software was integrated with Instructure Canvas, Learning Management Software (LMS) and the quantity purchased reflected our past use with the former LMS, Blackboard. Blackboard used SafeAssign plagiarism software, which was built into Blackboard and not available for Canvas.</p> <p>C&IT evaluated software products on the market such as Turnitin, PlagScan, Vericite and Urkund because of their high level of integration with Canvas. Out of those options, Vericite was recently purchased by Turnitin and is no longer an option. C&IT received a preliminary estimate from Turnitin recently which was approximately 33% higher in price for comparable features. C&IT received a formal quote from PlagScan which was approximately \$3500 more expensive for comparable features.</p> <p>The vendor has agreed to a three year term with a unit price lock. This also aligns with the term of the Instructure Canvas licensing thru 2022.</p>	Daren Hubbard, AVP & CIO of CIT; approved by Kenneth Doherty
60	P0932534 Henry Ford Health System	Designated Fund Accounts; Emergency Medicine Admin	42,000.00	<p>Basis: Continuation of the Services formerly provided to DMC - Michigan Poison Control Center (PCC) physician on-call duty service hours for Emergency Medicine provided by Henry Ford Medical Group (HFMG) physicians.</p> <p>This service is required as HFMG physicians are needed to provide 24/7 on-call coverage in the WSU PCC.</p> <p>This is a transfer of service from the Tenet/DMC Poison Center to WSU Poison Center.</p>	Brian O'Neil, Chair of Emergency Medicine; approved by Kenneth Doherty
61	P0929497 Medical Center Emergency Se	Designated Fund Accounts; Emergency Medicine Admin	200,000.00	<p>Basis: Continuation of the Services formerly provided to DMC On-Call duties for Emergency Medicine provided by Michigan Poison Control Center (MPCC).</p> <p>These services are part of the transition of the MI Poison Control Center (MI PCC) from DMC/CHM to WSU School of Medicine, and only the people listed in the MI PCC and Medical Center Emergency Services (MCES) contract are authorized to perform on-call duty.</p> <p>The hourly rate is \$275 at 12 hours x 2 x 365 days.</p>	Brian O'Neil, Chair of Emergency Medicine; approved by Kenneth Doherty
62	P0930078 Red Level Networks	General Fund Accounts, NextEnergy Center	57,614.52	<p>Basis: Only authorized dealer for Aerohive Network Upgrade Network upgrades including a new firewall, switching, UPS, and wireless hardware for the Industry Innovation Center (I2C) to be provided by Red Level.</p> <p>I2C currently uses a Aerohive Networks HiveManager NMS management system for network infrastructure. HiveManager enables simple policy creation, firmware upgrades, configuration updates, and centralized monitoring from a single console</p> <p>The upgrade will provide a faster and easier managed wireless infrastructure to attract more bookings at the I2C facility.</p> <p>Red Level is the authorized distributor / installer in the Southeast region. This vendor is highly familiar with the I2C facility. It would be detrimental to the project time line, budget and functionality of this project should it have to be bid and possibly awarded to a provider that is not familiar with the infrastructure already in place.</p>	Kim Colen, Director of Finance, Economic Development; approved by Kenneth Doherty

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	4		\$330,074.31		
Total	62		5,659,938.04		