

## **PURCHASING EXCEPTIONS**

Attached is a summary report of purchase orders (POs) greater than \$25,000 issued from September and October 2022 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 by University policies.

### **Report Overview**

As happens in most years, the report containing the end of one fiscal year and the start of the next is quite large since many POs need to be renewed annually. There are 73 purchase orders listed on the report, for a total of just under \$8.6 million.

The first 14 items are research-related and are based in part or whole on the scientific judgment of the appropriate Principal Investigator. Five medium-sized consulting engagements follow that. There were no Urgent / Emergency POs for this reporting period.

The compatibility section has 37 POs for a little over \$4.9 million. There are four POs based on University Affiliates for just over \$182 thousand, and the last section has 13 POs for under \$1.8 million.

**PURCHASING EXCEPTION REPORT**  
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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
<b>A. SCIENTIFIC JUDGMENT (S03, S04)</b>				
1	P1035844	Humboldt Mfg Co  \$ 28,306.29  Auxiliary Funds - Civil/Environmental Eng. Admin	<p><b>Basis: Scientific Judgment based on Equipment Functionality</b>            Equipment and supplies for retrofitting and replacement of non-functioning hydraulic and geotechnical testing apparatus for Civil &amp; Environmental Engineering from Humboldt Manufacturing.</p> <p>The hydraulic and geotechnical testing apparatus will replace aged, non-functioning equipment in the teaching lab and research facility.</p> <p>Humboldt Manufacturing was selected because Dr. Shuster has prior experience working with the vendor and they are the sole provider of the equipment specified. Also, the vendor does not have supply chain issues that will delay delivery. The department is in the midst of the semester and this equipment failed. The replacement apparatus equipment will be used immediately in this teaching lab. This is an undergraduate core course, and critical in student preparation for their Bachelor Science in Civil Engineering degree.</p> <p>The department investigated repair of the failed equipment and was advised that replacement parts are no longer available for the most critical instruments. Given the urgent nature of the situation, and the timely donation of funds from an alumni donor, the best use of funds suggests purchasing a new instrument apparatus.</p>	William Chuster, Chair of Civil & Environmental Engineering, approved by Miriam Dixon
2	P1035303	4Experience Sp. zo.o.  \$ 39,490.00  Auxiliary Funds - Physiology	<p><b>Basis: Informal Quotes obtained by the Requesting Department</b>            Custom Virtual Reality (VR) environment designed for an experiment for Physiology Department from 4Experience Sp.zo.o.</p> <p>The VR environment is for an experiment testing whether repeated exposure to virtual exercise stimuli can improve various metabolic indices in sedentary pre-diabetic volunteers. The purchase includes two exercise bicycles with compatible software that is retrofitted to allow the bicycles to interface with VR exercise without being pedaled. These parameters are not present on any commercially available bicycles or headsets.</p> <p>The Physiology Department contact three providers Holodia in Germany and Next/Now in Chicago and 4Experience. One indicated they could not provide this service and the other stated they could not do it for less than \$250,000. 4Experience worked with Physiology to negotiate the price down substantially and was the lowest cost option by a large margin.</p>	Joseph Dunbar, Chair of the Physiology Department, approved by Miriam Dixon

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3	P1032826	Premier Ophthalmic Services, LLC  \$ 59,456.75  Federal Grant Funds - Ophthalmology Visual Anatomical Sci	<p><b>Basis: Scientific Judgment based on Equipment Functionality</b>            The Haag Streit BX 900 Slit Lamps slit lamp camera for the Department of Ophthalmology from Premier Ophthalmic Services.</p> <p>The table-top model camera is the gold standard in corneal/anterior segment imaging. This system includes a teaching scope for education, integrated flash tube, background illumination and shutter release. The system has fiber optic background illumination, a mirror housing with monocular tube for camera integration and synchronization shutter release.</p> <p>The old device is no longer functional, and this system will replace it. This gives easy access to the patient because it is mounted above the microscope, which helps when photographing with hand-held diagnostic lenses.</p> <p>The Topcon slit lamp was another option considered, but this camera requires all new software and is more costly. The Department of Ophthalmology currently has the software needed for the Haag Streit system and there is no additional cost.</p>	Mark Juzych, Chair of the Ophthalmology Department, approved by Miriam Dixon
4	P1032725	Illumina, Inc.  \$ 197,925.00  Auxiliary Funds - Ctr for Molecular Medicine & Gen	<p><b>Basis: Scientific Judgment based on Equipment Functionality</b>            NextSeq 2000 Sequencing System for the Center for Molecular Medicine and Genetics (CMMG) from Illumina.</p> <p>The NextSeq2000 Sequencing System is only available through Illumina. This system will be an upgrade to the Illumina NextSeq 500 Sequencer (purchased on P0669452) currently in the CMMG lab. The current sequencer will soon be obsolete, and Illumina is allowing the lab to trade in the old sequencer for an additional discount on the total cost of the new sequencer.</p> <p>There are no other options to be considered for this sequencing system and Illumina is the only company that sells and supports the system.</p> <p>There are no previous PO's associated with this requisition.</p>	Lawrence Grossman, Chair of the Center for Molecular Medicine and Genetics, approved by Kenneth Doherty

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5	P1032673 Life Technologies Corporation \$ 86,260.50 Grant Funds - Pharmaceutical Science	<p><b>Basis: Scientific Judgment based on Equipment Functionality</b>            The Kingfisher APEX RNA extraction system for Pharmaceutical Sciences from Life Technologies Corporation.</p> <p>The Kingfisher APEX RNA extraction system is a powerful platform capable of automatically and high-throughput extracting RNA from various biospecimen samples. The equipment will be used to extract viral RNA samples from COVID-19 patients. The extracted and purified samples will be subsequently used for PCR assays and genomic sequencing.</p> <p>Given this equipment will be mainly used to support a state-wide, real-time epidemiological surveillance for COVID-19 pandemic, its high-throughput capacity is critical to maintain the work efficiency. Although similar high-throughput sample extraction system is available from other vendors, such as Qiagen, the Kingfisher platform has the best eco-system in terms of its compatibility to subsequent technical steps, i.e. the PCR assay and sequencing. The Themofisher's Taqpath 2.0 PCR assay kit for screening positivity of SARS-Cov-2 is the only available assay with standardized procedure and deliverables matching what is used in other state labs. This compatibility can streamline the assay process to ensure a timely progress and high-quality deliverables for the project.</p> <p>Although sample extraction and purification can be performed manually, it would be low throughput and will not be able to handle large number of samples in a limited time period.</p>	Steven Firestine, Interim Chair, Pharmaceutical Sciences, approved by Miriam Dixon
6	P1032661 Blue Alien Labs \$ 100,000.00 Grant Funds - Psychiatry	<p><b>Basis: Informal Quotes obtained by the Requesting Department</b>            Programming and development of augmented reality (AR) software for the Department of Psychiatry from Blue Alien Labs LLC.</p> <p>This software is for the treatment of post-traumatic stress disorder (PTSD) to Michigan first responders (police, firefighters, EMS, dispatchers, and corrections officers) on the Michigan Department of Health &amp; Human Services (MDHHS) Frontline Strong Together grant. The software application is the first AR system for treating PTSD.</p> <p>The Department of Psychiatry contacted four companies for quotes Blue Alien Labs, Tart Labs, Vector Labs, and Detroit Labs, who did not provide a quote because the work was out of their scope of expertise. The Department of Psychiatry decided to go with Blue Alien Labs who had the least expensive quote and is an expert in the field.</p>	Jennifer Ballard- Traynor - Director for Psychiatry and Behavioral Neurosciences, approved by Miriam Dixon

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7	P1032630 Etaluma, Inc.  \$ 71,324.00  Grant Funds - Pharmacology	<p><b>Basis: Scientific Judgment based on Equipment Functionality</b>            LS850 microscope with objectives for the Department of Pharmacology from Etaluma Inc.</p> <p>Etaluma, Inc. is the sole manufacturer of the Lumascope LS850, which is a unique microscope product. The LS850 combines high resolution, solid-state optics, accurate and precise automated XY stage and autofocus, increased sensitivity, and a compact design. The LS850 allows live cell imaging inside incubators, hoods, and other challenging locations.</p> <p>There is no other commercial microscope system that provides a comparable set of features in a single integrated device. Pharmacology investigated other options for long-term live cell microscopy (CellcyteX, IncuCyte) but none of the other options had the required versatility.</p>	Sokol Todi, Chair of Pharmacology, approved by Miriam Dixon
8	P1032160 Qiagen Inc.  \$ 58,356.12  ICR Funds - Funded Project Support	<p><b>Basis: Scientific Judgment based on Equipment Functionality</b>            EZ2 Connect bench top instrument for the Office of the Vice President for Research from Genomics Lab Qiagen.</p> <p>The EZ2 Connect benchtop instrument will be used for automated isolation of nucleic acids from up to 24 samples in parallel, using sealed pre-filled cartridges. This system will replace two isolation EZ1's that are either broken or failing. Longstanding established protocols for sample processing are in place with this technology platform and can be transferred to the new machine since the EZ1 is also made by Qiagen. This is critical for continuity of sample analysis and for operational efficiency.</p> <p>While other instruments are available, the QIAGEN instrument has the advantage of being ready for use with existing protocols and there will be a substantial cost reduction in reagent costs which are already in-house.</p>	Stephen Lanier, Vice President for Research, approved by Miriam Dixon
9	P1032053 Illumina, Inc.  \$ 97,693.44  Grant Funds - Perinatal Research Branch	<p><b>Basis: Scientific Judgment based on Research Equipment Functionality</b>            Illumina Infinium MethylationEPIC BeadChip Kit (96 samples) for Perinatology Research Branch (PRB) from Illumina, Inc.</p> <p>University of Michigan's Epigenomics core requires the utilization of these kits for WSU's collaborative project on Methylation in the Placenta. The kits are being purchased by WSU and shipped to the core laboratory which is the most cost-effective option while ensuring quality of results and reasonable timelines for the completion of the work. Illumina's kits have been utilized by the investigators and results were published in multiple articles.</p> <p>Previous POs:            P1021140 - 6/2022 - \$13,886.85            P1014166 - 4/2022 - \$4,087.45</p>	Stanley Berry, Chair of the Perinatology Research Branch, approved by Miriam Dixon

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10	P1031688 Bio-Rad Laboratories  \$ 37,964.96  General Funds - Inst Environmental Health Sciences	<p><b>Basis: Informal Quotes obtained by the Requesting Department</b>            PCR machine for Institute of Environmental Health Sciences (IEHS) from Bio-Rad.</p> <p>The 384-well PCR machine is capable of multiplexing for frequent use on four separate projects in the IEHS laboratory. The instrument used by the researcher is broken, and it cost \$30,000 to repair. It is 8 years old and more prudent to purchase a new machine that can do more for less money.</p> <p>The Bio-Rad CFX Opus system is the most inexpensive option on the market and the most technologically advanced, offering the ability to ramp in different temperatures across different rows of the same plate. In addition to a steep discount, Bio-Rad is providing a complete set of PCR supplies priced at more than \$1,000 for no additional cost.</p> <p>The requestor received quote from three other vendors ThermoFisher, Agilent and Qiagen. Their instruments were either more expensive, not sufficient for the researcher's needs, has outdated capabilities, or does not include a service plan. The Bio-Rad system is the least expensive, includes three years of full protection service, and most technologically advanced.</p>	Meilissa Runge- Morris, Director of IEHS, approved by Miriam Dixon
11	P1031687 Bio-Rad Laboratories  \$ 33,861.92  Auxiliary Funds - Oncology	<p><b>Basis: Scientific Judgment based on Equipment Functionality</b>            ChemiDoc Imaging system for the Department of Oncology from Bio-Rad.</p> <p>The ChemiDoc is only available from BioRad. This system is the best system available for chemiluminescence. It has a larger dynamic range and digital quantification. The system comes with ImageLab Touch Software, which assists in choosing optimal light sources and filters.</p> <p>The Department of Oncology is setting up the laboratory and research will be centered around this instrument.</p>	Michael Wilson, Assistant Professor for Oncology, approved by Miriam Dixon

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
12	P1030180	Thomas Scientific Holdings LLC  \$ 113,940.17  Auxiliary Funds - KCI Service Centers	<p><b>Basis: Scientific Judgment based on Research Equipment Functionality</b>            Leica ARTOS 3D Ultramicrotome specimen prep system for the Office of the Vice President for Research (OVPR) from Thomas Scientific, LLC.</p> <p>The Leica ARTOS 3D will be placed in the Microscopy, Imaging &amp; Cytometry Resources' (MICR), Electron Microscopy (EM) laboratory, located in the Elliman Building. It is required to prepare specimen for imaging by the existing electron microscope in the MICR core facility.</p> <p>The previous ultramicrotome belonged to the Veteran Affairs (VA) but was on loan to the CORE. It has been reclaimed by the VA and is no longer available. Without this equipment, the Gemini 300 Scanning Electron Microscope (SEM), cannot be fully utilized. The Gemini SEM 300 scanning electron microscope imaging platform is state of the art technology paired with novel electron optical design allowing exceptionally high resolution from biological and fixed materials.</p> <p>The Leica ARTOS 3D is unique and complementary to the existing SEM Gemini 300 that matches what was taken back by the VA and only available through this vendor. No other equipment of this kind is available. This system will match the standardized Core equipment</p>	Stephen Lanier, Vice President for Research, approved by Miriam Dixon
13	P1029865	Thermo Electron North America LLC  \$ 249,879.64  Auxiliary Funds - VP for Research Service Centers	<p><b>Basis: Identified within and Requirement of the Grant</b>            TSQ 9610 GCMSMS AEI NV with RSH SMART Sampler for the Office of the Vice President for Research (OVPR) from Thermo Electron, part of ThermoFisher Scientific.</p> <p>The TSQ 9610 GCMSMS AEI NV with RSH Smart Sampler has the following two specific features that no other commercial made equivalent GCMSMS: 1) Data analysis software that uses Microsoft Excel and Access format called Chromeleon. Since most users and managers know how to use excel, training users and daily data analyses will be done efficiently, hence saving time. 2) The AEI and NeverVent™, which these two features in parallel provide more sensitivity and extends the life of the detector because there is no venting when changing column or cleaning the source. Since this instrument will be used for Center for Leadership in Environmental Awareness and Research (CLEAR) related projects that have different methods, changing the column and cleaning without breaking vacuum will enable more time for analyses and longer life for the detector.</p> <p>OVPR researched Agilent and Bruker, however, they do not provide the excel format software or the AEI and NeverVent™ in parallel.</p> <p>The instrument was specified in the CLEAR superfund proposal P42 ES030991-01, which awarded OVPR \$13M through the National Institute of Environmental Health Sciences.</p>	Stephen Lanier, Vice President for Research, approved by Kenneth Doherty

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14	P1029851	Syndaver Labs Inc \$ 232,998.00	<p data-bbox="655 284 1491 365"><b>Basis: Scientific Judgment based on Equipment Functionality</b> Synthetic Cadaver Model for Department of Pharmacy from Snyder Labs Inc.</p> <p data-bbox="655 397 1491 544">ICR Funds - Pharmacy Dean's Office The Department of Pharmacy will create a Synthetic Cadaver lab with SynTissue Cadavers that have both the look and feel of live tissues and come with storage container and chemicals that require bi-weekly changing. Snyder will provide two SynTissue Models 1-Anatomy, and 1-Surgical with a 3-year extended service plan.</p> <p data-bbox="655 576 1491 803">Snyder Labs is the only company that has a life size, malleable model. The other company considered was Anatomage, which provided 4D cadaver models. The quote was similar in terms of price; however, it required structural changes in the lab to accommodate the cadaver as well as additional IT infrastructure. Anatomage did not add the additional costs to the quote because Facilities Planning &amp; Management would have completed the changes. The total cost was expected to exceed that of one Snyder cadaver.</p> <p data-bbox="655 836 1491 915">The Department of Pharmacy performed the sourcing based on its knowledge of the services and expertise that were required for this engagement.</p>	Brian Cummings, Dean of Pharmacy, approved by Kenneth Doherty

**14 / \$ 1,407,456.79**



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<b>B. EXECUTIVE OFFICER WAIVER FOR PROFESSIONAL SERVICES (S23)</b>			
15	P1036037 Mark Rottenberk  \$ 30,000.00  General Funds - Broadcasting	<p data-bbox="657 313 1115 334"><b>Basis: Urgent or Emergency Services</b></p> <p data-bbox="657 342 1776 451">Live video stream for Football broadcasts for Athletics from Mark Rottenberk. Video stream service for four (4) football broadcasts include the deluxe four camera broadcast package. This package consists of five cameras, three operators, live switcher and technical director, audio engineer/graphics/replay operator, event producer.</p> <p data-bbox="657 488 1776 623">As a result of stalled contract negotiations, football games are no longer broadcasted on Comcast. The Great Lakes Intercollegiate Athletic Conference require games to be streamed on the internet. A streaming service is needed immediately to replace Comcast. There was less than a week to secure a streaming/broadcasting service, which limited Athletics ability to seek bids from other competing companies.</p>	Robert Fournier, Athletic Director, approved by Michael Wright
16	P1032096 Bentz,Whaley,Flessner & Assocs. Inc.  \$ 144,799.00  General Funds - Dev Office Fundraising Campaigns	<p data-bbox="657 659 1178 680">No previous POs associate with this requisition.</p> <p data-bbox="657 688 1482 709"><b>Basis: Recommended Source for Specialized Professional Services</b></p> <p data-bbox="657 717 1776 771">Campaign counsel and consulting services for the Development Department from Bentz, Whaley and Flessner &amp; Associates, Inc. (BWF).</p> <p data-bbox="657 808 1776 943">BWF will implement the recommendations they provided in the "Campaign Optimization Report", which was produced and delivered because of a Request for Proposal for Comprehensive Campaign Consulting issued earlier this fiscal year. The services are needed to provide an outside perspective, external commentary including client benchmarking, and neutral third-party critique of the current state of the Division of Development and Alumni Affairs.</p> <p data-bbox="657 980 1776 1115">Upon receipt of the reports and recommendations, Development recognized additional counsel from BWF would support the efficient implementation of the recommendations in accordance with industry best practices. Since the consulting services required are an extension of the previous scope of work, another vendor would need to repeat and/or reevaluate the existing recommendations which would be additional cost and additional time.</p> <p data-bbox="657 1153 1776 1232">The work cannot be completed efficiently or effectively by another vendor, since it is reliant on previously contracted services, institutional knowledge gained, and is specific to the recommendations developed by BWF.</p>	Susan Burns, Vice President for Development & Alumni Affairs, approved by Michael Wright

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17	P1032050	David S. Bright PhD, Facilitation & Consult. Svs.  \$ 48,000.00  General Funds - Med Academic+Student Programs Admin	<p><b>Basis: Recommended Source for Specialized Professional Services</b>  Professional Services to develop a strategic plan for the School of Medicine (SOM) from David S. Bright, PhD.</p> <p>The purpose of this project is to develop an actionable strategic plan that re-establishes a vision for the SOM, generates a clear sense of purpose, especially with social accountability, and inspires stakeholders to engage in building and supporting the future of the school. Also, to use an inclusive, participatory process to build and strengthen relationships among stakeholders and key leaders.</p> <p>The Liaison Committee on Medical Education (LCME) element 1.1 requires medical schools to have a fully developed strategic plan that is actionable and measurable, implemented, and measured. If these conditions are not met, the SOM is not likely to receive a satisfactory rating for element 1.1 and is at risk of a citation in this area.</p> <p>David S. Bright, PhD, Facilitation and Consulting Services is an expert in strategic planning for medical schools. Due to the January 2023 deadline for submittal of this information to the LCME, Dr. Bright has the experience and expertise to meet this time frame.</p>	Wael Sakr, Dean of the School of Medicine, approved by Michael Wright
18	P1031404	Eileen Cynthia Boris  \$ 28,700.00  Grant Funds - Sociology Administration	<p><b>Basis: Recommended Source for Specialized Professional Services</b>  Consulting services for the Sociology Department from Eileen Boris.</p> <p>Eileen Boris will provide consulting services for the "Who Cares? Rebuilding Care in a Post-Pandemic World" project. Dr. Boris will focus on collecting content for the policy matrix and the policy audit including (i) collecting content for the policy matrix and the policy audit, focusing on labor, employment, and care policies, pre-, during and post-pandemic over the course of the project; (ii) conducting expert interviews in Los Angeles (LA); and (iii) finalizing the social cartography in LA.</p> <p>This Project requires a service provider with the requisite contacts and relationships in the community and care sector of LA. Dr. Boris brings a unique mix of expert knowledge on care work from a historical perspective and longstanding connections with stakeholders in LA. Through their knowledge of scholars working in the field and a search of candidates, the Sociology Department considers Dr. Boris to be the best consultant for this project.</p>	David Merolla, Chair of the Department of Sociology, approved by Michael Wright

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19	P1031274 Ruth Milkman  \$ 28,700.00  Grant Funds - Sociology Administration	<p><b>Basis: Recommended Source for Specialized Professional Services</b> Consulting services for the Sociology Department from Ruth Milkman.</p> <p>Ruth Milkman will provide consulting services for the "Who Cares? Rebuilding Care in a Post-Pandemic World" project. Dr. Milkman will focus on collecting content for the policy matrix and policy audit including (i) collecting content for the policy matrix and the policy audit, focusing on immigration policies pre-, during and post-pandemic over the course of the project; (ii) assisting primary investigator conducting the meta-analysis; (iii) conducting expert interviews in New York City (NYC); and (iv) finalizing the social cartography of the social infrastructure of care in NYC.</p> <p>Dr. Milkman is an expert in the field of employment relations and migration in the United States and is the author of several books on immigration, labor movements, and work transformation. The project will rely on her extensive research experience, knowledge, and contacts in the New York area to conduct both the qualitative and quantitative research. The Department of Sociology searched for other candidates and found Dr. Milkman to be the best person for this project.</p>	David Merolla, Chair of the Department of Sociology, approved by Michael Wright

**5 / \$ 280,199.00**

**C. URGENT OR EMERGENCY REQUIREMENT (S06)**

**0 / \$ 0.00**

**D. COMPATIBILITY WITH PREVIOUSLY PURCHASED EQUIPMENT OR SERVICES**

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
20	P1036280	Infield Broadcasting Services  \$ 27,664.00  Auxiliary Funds - Student Evaluation Forms	<p data-bbox="651 284 1701 332"><b>Continuation of specialized radio tower technical and on call services for WDET from Infield Broadcasting Services.</b></p> <p data-bbox="651 365 1701 422">Continuation of specialized radio tower technical and on call services for WDET from Infield Broadcasting Services.</p> <p data-bbox="651 454 1701 592">The request is to provide radio engineering services on a month-to-month basis through September 30, 2023. Radio engineering services is highly specialized, and continuing with Infield Broadcasting means there is no learning curve. As a result, WDET will not be at risk of radio outages. Infield Broadcasting is the only known vendor who can perform these services at this time, without jeopardizing the integrity of WDET's radio programing.</p> <p data-bbox="651 625 1701 682">Neither Procurement nor WDET have been able to locate vendors to bid on the service. There were no eligible vendors found who could provide this type of service.</p> <p data-bbox="651 714 1701 743">Previous PO: FY21 P1002391 - \$27,664.00</p>	Mary Zatina, General Manager - WDET, approved by Kenneth Doherty

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21	P1036070	Pathogen Control Associates Inc  \$ 125,000.00  General Funds - OEHS Administration	<p><b>Basis: Continuation of Specialized Services with Recommended Source</b> Analyzing water samples for Legionella bacteria for the Office of Environmental Health and Safety, Water Safety Team from PathCon Laboratories.</p> <p>PathCon is Environmental Microbiology Laboratory Accreditation Program accredited for bacteria detection and Legionella analysis. PathCon exceeds the Centers for Disease Control and Prevention and International Organization for Standardization standards for Legionella detection, and can provide preliminary verbal lab results 4-days after samples are received. PathCon is also familiar with the specific building systems that are being tested.</p> <p>To protect public health, there is a critical need to constantly analyze water samples for Legionella bacteria following a consistent analytical and reporting methodology to determine when corrective actions are needed and proactive modifications to the 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 to accurately compare current and previous results.</p> <p>Previous POs:  P0896088 - 2/01/2019 - \$18,000.00  P0963293 - 9/30/2021 - \$148,000.00  P0891444 - 9/30/2019 - \$165,000.00  P0865303 - 6/05/2018 - \$4,200.00  P0789299 - 9/30/2017 - \$442,107.22</p>	Richard Pearson, Director of the Office of Environmental Health & Safety, approved by Miriam Dixon

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22	P1035966 EnACT Your Future Inc \$ 25,977.00	<p data-bbox="657 282 1780 367"><b>Basis: Compatible with and Continuation of Specialized Materials</b> S.A.T. prep instruction and testing materials for the Office of Federal TRIO Program from EnACT Your Future, Inc.</p> <p data-bbox="657 399 1780 451">Grant Funds - Acad Pathways to Excellence (APEX) EnACT will provide S.A.T. prep instruction and testing materials for 89 TRIO students.</p> <p data-bbox="657 456 1780 570">TRIO's funding comes from a federal Department of Education grant that allows them to support small and minority operated businesses and EnACT meets both categories. In addition, TRIO has worked with EnACT for the last nine years and they are one of the few local companies that offer S.A.T. prep at a high level for a reasonable cost.</p> <p data-bbox="657 602 978 829">Previous POs: 12/20 - P0971505 - \$59,750 10/19 - P0930140 - \$6,500 06/19 - P0914271 - \$11,500 02/19 - P0897622 - \$6,000 06/18 - P0865490 - \$10,400 11/17 - P0842000 - \$2,000 11/17 - P0841680 - \$5,000</p>	Darryl Gardner, Senior Director for Academic Affairs, approved by Miriam Dixon

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23	P1035965 Lightning Source, Inc.  \$ 158,200.00	<p><b>Basis: Compatible with and Continuation of Specialized Services</b>            Print on Demand Services for short runs and distribution of University Press Books from Lightning Source Inc. (LSI).</p> <p>The Vendor provides print on demand services in the European marketplace, which provides the WSU Press with global circulation. Utilization of Lightning Source allows University Press to POD drop-ship books directly to customers.</p> <p>LSI is the only vendor found that offers distribution channels and direct one-off POD via Instagram that Press' distributors currently work with. The Press may be investigating competitive options for future, but at this time, they are the only known source for this distribution network.</p> <p>Prior POs to Lightning Source include</p> <p>P1000314 - 10/21 - \$130,000            P0964929 - 10/20 - \$125,000            P0932530 - 10/19 - \$130,000            P0932533 - 10/19 - \$30,000            P0881927 - 10/18 - \$35,000            P0878302 - 9/18 - \$120,000            P0838037 - 10/17 - \$30,000            P0833855 - 10/17 - \$91,500</p>	Mary Zatina, Director of University Press, approved by Kenneth Doherty
24	P1035819 Medical Center Emergency Services  \$ 150,000.00	<p><b>Basis: Compatible with and Continuation of Specialized Services</b>            Physician on-call duty hours for the Department of Emergency Medicine from Medical Center Emergency Services (MCES).</p> <p>The Michigan Poison and Drug Information Center (MiPDC) physicians are on call 365 days per year. The on-call services can only be performed by people listed in the MiPDC and MCES contract. These services are part of the transition of the Michigan Poison Control Center from DMC/Children's Hospital of Michigan to WSU School of Medicine.</p> <p>MCES and WSU currently have a contract for Toxicology for on-call services.</p> <p>Previous POs:            P1005330 - 12/2021 - \$150,000            P0929497 - 10/2019 - \$350,000</p>	Brian O'Neil, Chair of the Department of Emergency Medicine, approved by Kenneth Doherty
Auxiliary Funds - Univ Press Book Production+Design	Auxiliary Funds - Emergency Medicine		

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
25	P1035803 Illumina, Inc.  \$ 600,000.00  Auxiliary Funds - VP for Research Service Centers	<p><b>Basis: Compatible with Existing Research Supplies &amp; Equipment</b>            Illumina reagents sequencer for the Office of the Vice President for Research from Illumina, Inc.</p> <p>The reagents are necessary to perform sequencing for services at the Genome Sciences Core including whole genome, transcriptome and methylation projects. The reagents will run on Illumina iScan, NovaSeq, and MiSeq which are contained within the core. 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 POs:            P0999088 - (2021-2022) - \$700,000.00            P0967170 - (2020-2021) - \$300,000.00            P0935710 - (2019-2020) - \$300,000.00            P0882913 - (2018-2019) - \$276,377.60            P0835483 - (2017-2018) - \$276,000.00</p>	Timothy Stemmler, Interim VP for Research, approved by David Massaron
26	P1035801 NLP Logix LLC  \$ 25,000.00  Auxiliary Funds - Emergency Medicine	<p><b>Basis: Continuation with Recommended Source for Specialized IT Platform Services</b></p> <p>Consortium-sourced software for operating environment, ToxSentry management for the Emergency Medicine / Poison Center Departments from NLP LOGIX, LLC.</p> <p>The Michigan Poison Center (MPC) at Wayne State University provides expert medical advice to the public, hospitals, EMTs and other health care providers throughout Michigan who need advice regarding poison-related emergencies. The software maintenance and service provided by NLP LOGIX is imperative to the function of the MPC.</p> <p>The sourcing was completed by the Poison Control consortium. Other vendors were identified and deemed no longer viable in preference of NLP LOGIX.</p> <p>Previous PO: P1014028 - 03/2022 - \$75,000.00</p>	Jeri Gleichauf, Director of the Department of Emergency Medicine, approved by Miriam Dixon



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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
27	P1035800	RingCentral Inc.  \$ 25,000.00  Auxiliary Funds - Emergency Medicine	<p><b>Basis: Compatible with Existing Telecommunications Infrastructure</b> Polycom phones for the Department of Emergency Medicine from Ring Central, Inc.</p> <p>The polycom phones are for the Poison Control Center (PCC) at the Lande Building. PCC requires the phones and software to make them function. The request required special technical expertise. Quotes were requested and evaluated by Information Systems to ensure the selected system would function as required.</p> <p>The original service and original quotes were evaluated by James Wurm in Information Systems (IS),and this Ring Central provided the best service for best price. A second quote was received from Nextiva; however, it did not meet the needs or requirement of the Poison Control Center. Ring Central provides the best service for the best price.</p> <p>Prior POs: P1006150 - 01/05/2022 - \$25,000.00 P0914242 - 06/07-2019 - \$98,479.00</p>	Jeri Gleichauf, Director of the Department of Emergency Medicine, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
28	P1035781 Traffic & Safety Control Systems, Inc.  \$ 120,000.00  Auxiliary Funds - Parking System	<p><b>Basis: Continuation of Specialized Services with Recommended Source</b>            Parking gate control service contract extension for the Office of Parking and Transportation Services from Traffic &amp; Safety Control Systems, Inc.</p> <p>The service includes coverage for maintenance and repair of all the parking gate control mechanisms and arms, software, intercoms, and electronic signs. An extension to the current service contract is needed to keep the equipment operational until new equipment can be purchased and installed.</p> <p>Traffic &amp; Safety Control Systems, who installed and serviced the equipment since its existence, is the only company in the service area with the expertise and historical knowledge of all the intricacies of the system. It would take another company a long time to become familiar with the equipment, wiring, software settings and more. This would create lengthy delays in service responses in a high demand environment. Therefore, Parking and Transportation wants to continue service with the current vendor.</p> <p>Previous POs:            P1033053 - 10/22 - \$50,000 - Parking Gates Equipment &amp; Supplies            P1006742 - 01/22 - \$105,000 - Custom RFID Hanging Parking Tags            P0998324 - 10/21 - \$50,000 - Parking Gate Equipment &amp; Supplies            P0998323 - 10/21 - \$120,000 - Parking Gate Equipment &amp; Maintenance            P0967919 - 10/20 - \$125,600 - Parking Gate Equipment &amp; Maintenance            P0966178 - 10/20 - \$45,000 - Parking Gate Equipment &amp; Supplies            P0950360 - 03/20 - \$99,425 - Custom RFID Parking Hanging Tags            P0933611 - 10/19 - \$85,000 - Parking Gate Equipment &amp; Supplies            P0932769 - 10/19 - \$131,600 - Parking Gate Equipment &amp; Maintenance</p>	Jon Frederick - Director of Parking & Transportation, approved by Kenneth Doherty

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
29	P1035734	SHI International Corporation  \$ 63,641.61  General Funds - Computing Svcs	<p><b>Basis: Continuation of Specialized Software with Recommended Source</b>            CrowdStrike Falcon and Spotlight software for Computing and Information Technology (C&amp;IT) from SHI International.</p> <p>This software is an advanced anti-malware software used to protect high value information systems at the University. In 2019, Crowd Strike was the vendor chosen to provide additional security for servers and other high valued targets of attackers. In 2020, the previous reseller stopped offering the product at which time Procurement issued a Request for Quotes (RFQ) to several resellers, and SHI won the bid. C&amp;IT does not believe an RFQ will result in better pricing as SHI has preferred pricing from the vendor.</p> <p>Previous POs:            P0923496 - \$11,910 (Purchased through Dell Corporation)            P0999855 - \$53,642            P0992866 - \$11,208</p>	Rob Thompson, AVP for Computing & Information Technology, approved by Miriam Dixon
30	P1035277	ProQuest LLC  \$ 37,153.16  ICR Funds - Funded Project Support	<p><b>Basis: Compatible with &amp; Continuation of Existing Systems Software</b>            Pivot software for the Office of the Vice President for Research (OVPR) from ProQuest.</p> <p>Pivot provides Research Administrators, Research Development Professionals, and faculty members a competitive edge, by bringing together the right research opportunities, funding, and people quickly and easily. This software also provides global and local connections that strengthen research by exploring new avenues for funding and collaboration for faculty, staff researchers, and graduate students.</p> <p>Pivot is the largest database of funding opportunities on the market and encompasses all types of funding from a variety of sponsors. This is the funding database of choice among research universities, as it is tailored to the needs of higher education.</p> <p>WSU has used Pivot for many years. They frequently solicit advice from staff and faculty and updates their services accordingly. The OVPR provides monthly trainings for faculty, administrators, and staff on this service.</p> <p>Previous POs:            P0997770 - 10/2021 - \$35,451.49            P0969370 - 11/2020 - \$33,827.76            P0941881 - 01/2020 - \$32,278.40            P0891288 - 12/2018 - \$30,800.00            P0747968 - 11/2015 - \$84,000.00</p>	Timothy Stemmler, Interim VP for Research, approved by Miriam Dixon

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<b>No</b>	<b>PO NUMBER</b>	<b>VENDOR / PRICE FUNDING SOURCE</b>	<b>DESCRIPTION</b>	<b>Approved by</b>
31	P1035280	Henry Ford Health System  \$ 50,000.00  Auxiliary Funds - Emergency Medicine	<p><b>Basis: Compatible with and Continuation of Specialized Services</b>  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> <p>Previous POs:  P0932534 - 10/2019 - \$100,000.00  P1005394 - 12/2021 - \$50,000.00</p>	Brian O'Neil, Chair of the Department of Emergency Medicine, approved by Miriam Dixon
32	P1035213	Minnesota Public Radio  \$ 49,661.00  Auxiliary Funds - Student Evaluation Forms	<p><b>Basis: Compatible with and Continuation of Specialized Services</b>  Public radio programming (Fiscal Year 2023) for WDET from Minnesota Public Radio dba American Public Media.</p> <p>American Public Media is the only provider of the national programs listed on the Program Purchase Form. WDET want to continue the carriage service and distribution fee for the programs "Marketplace" and "On Point" for fiscal year 2023. Both are nationally syndicated hourly radio programs which air weekly on WDET.</p> <p>WDET is already in the habit of bidding out services when vendors are not sole source providers.</p> <p>Previous POs:  P0998996 - 09/28/2021 - \$49,429.00  P0998741 - 10/13/2021 --\$28,215.00  P0926642 - 09/12/2019 - \$24,500.00</p>	Mary Zatina, Director of University Press, approved by Miriam Dixon

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
33	P1035094	10XGenomics  \$ 25,205.00  Grant Funds - Perinatal Research Branch	<p><b>Basis: Compatible with Existing Research Supplies</b>            Chromium Next GEM Single Cell 3' GEM Library &amp; Gel Bead Kit v3.1 for Perinatology Research Branch (PRB) from 10X Genomics, Inc.</p> <p>PRB Maternal-Fetal Single-Cell Genomics Unit has used 10X Genomics reagents with their Chromium Controller for all prior experiments. The suite of Chromium Single Cell products is a unique technology that has the ability to generate tens of thousands of single cell partitions that each have an identifying barcode for downstream analysis. The Chromium Controller and the other products have a flexible workflow that can be utilized on many sample types that are collected at the PRB.</p> <p>10X Genomics is a sole source vendor because the Maternal-Fetal Single-Cell Genomics Unit is already utilizing the highly specialized 10X Chromium microfluidic system that requires the use of compatible kits and reagents for samples and library preparation that are only available from this vendor. It is important that the Unit maintain experimental consistency and to do so, 10X Genomics is the only vendor that the Unit can continue utilizing for single-cell RNA sequencing technologies.</p> <p>Previous POs:            P1026138 - 7/2022 - \$25,008.00            P1017851 - 5/2022 - \$25,205.00            P1015045 - 4/2022 - \$29,564.00</p>	Stanley Berry, Chair of the Perinatology Research Branch, approved by Miriam Dixon
34	P1034936	BGI Americas Corporation  \$ 196,000.00  Grant Funds - Perinatal Research Branch	<p><b>Basis: Compatible with and Continuation of Specialized Scientific Services</b>            Cell free RNA expression quantification in maternal plasma samples for Perinatology Research Branch (PRB) from BGI Americas Corporation.</p> <p>PRB's Bioinformatics and Computational Biology Unit and Biomarkers Unit aim to measure the cell free RNA in samples from normal pregnant women and those with pregnancy complications to discover biomarkers. The Unit investigators have previously used services of BGI in a pilot study and determined that the quality of the results was adequate.</p> <p>In order to combine the data generated previously with new data, the same proprietary sequencing platform and protocols is required in this project. PRB require the continued use of the vendor to maintain experimental consistency.</p> <p>Previous POs:            P1026467 - 7/2022 - \$9,270.00            P1021005 - 5/2022 - \$3,050.00</p>	Stanley Berry, Chair of the Perinatology Research Branch, approved by Kenneth Doherty

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
35	P1034522 Alfa Jango LLC  \$ 47,529.80  Auxiliary Funds - Reuther Archives Labor Affairs Adm	<p><b>Basis: Compatible with Existing Computing Services</b>            Custom web development for Reuther Library from Alfa Jango LLC.</p> <p>Alfa Jango will utilize the University software platform (Omeka-S), to create a website featuring digitized archival collections held by Reuther Library, documenting the life and legacy of Walter P. Reuther and his leadership of the United Auto Workers, funded by the Walter and May Reuther Memorial Fund.</p> <p>Alfa Jango is an experienced partner of University Libraries and is currently working on a similar project using the same platform and features, the National Historical Publications and Records Commission funded via grant to College of Education in partnership with Reuther Library staff ("Bridging the Gap: Archives in the Classroom and Community").</p> <p>Major inefficiencies are possible if a new vendor were brought in because they would need to learn the platform and make a new plan for the project. Project deliverables are donor-driven and vary from standard services offered by University and Archives staff and exceed their capacity.</p> <p>Education's PO            P0992700 8-18-2021 \$67,603</p>	Aliqae Geraci, Director of the Reuther Library, approved by Miriam Dixon

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
36	P1034192	TMA Systems, LLC  \$ 48,455.93  General Funds - FP+M Office of Assoc VP	<p><b>Basis: Compatible with and Continuation of Specialized Services</b>  Annual Support and Hosting Fee for TMA Software for Facilities Planning and Management (FP&amp;M) from TMA Systems, LLC.</p> <p>FP&amp;M has been utilizing a Computerized Maintenance Management System (CMMS) for over 15 years to manage the maintenance conditions across campus that require repairs. TMA has proven to be reliable, innovative and a software solution that helps FP&amp;M deliver value by reducing downtime, increasing maintenance productivity and improving equipment reliability.</p> <p>FP&amp;M is making upgrades to the system, and it would not be feasible to look elsewhere for the support that this system provides.</p> <p>Previous POs:  P1011933 - 030/9/2022 - \$42,000.00  P1000173 - 10/26/2021 - \$39,729.25  P0973404 - 01/11/2021 - \$139,369.50  P0967165 - 10/19/2020 - \$33,310.00  P0930954 - 10/10/2019 - \$32,267.50  P0894121 - 01/10/2019 - \$32,267.50  P0836813 - 10/20/2017 - \$31,772.50</p>	Robert Davenport, AVP for Facilities Planning & Management, approved by Miriam Dixon
37	P1034221	Nicholas A. Shawver  \$ 25,900.00  Auxiliary Funds - Student Evaluation Forms	<p><b>Basis: Compatible with and Continuation of Specialized Services</b>  Radio Programming Services for WDET-FM Radio from Nicholas A. Shawver.</p> <p>Nicholas A. Shawver is the creator, host, and radio personality of the weekly "Soul Saturday" radio program. He develops and creates material for the station, broadcasts weekly promotional spots, and participates in station meetings. He also consults and participates in "on air" and "off air" fundraising as well as provides "voice over" services as needed.</p> <p>As host and creator of "Soul Saturday," the program services can only be provided by Nicholas A. Shawver. This purchase order is the 3rd year of a 3-year agreement ending 9/30/2024.</p> <p>Previous PO's:  P0990152 - 08/01/2021 - 10/31/2021 - \$3,430  P0995863 - 11/01/2021 - 10/31/2022 - \$31,570</p>	Mary Zatina, General Manager - WDET, approved by Kenneth Doherty

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
38	P1033542 CAE Healthcare Inc \$ 201,159.00 General Funds - Med Academic+Student Programs Admin	<p><b>Basis: Compatible with Existing Systems Software</b>            CAE Learning Space Software and Enterprise System for the Office of Undergraduate Medical Education from CAE Healthcare.</p> <p>The Learning Space Software and Enterprise System is a comprehensive data collection system that integrates audio, video, and data information for the academic clinical skills centers.</p> <p>The system matches and is replacing the existing software. The department was notified by CAE that they are no longer able to support the failing system as it is at the end-of-life. Another bid was requested but was significantly higher with fewer options.</p> <p>No other lower cost options are available in the market to match the services and features of this software. The system requested will match and upgrade the system that is currently in use. The standardization across the program is also important as this system will fully integrate with the patient simulators seamlessly as they are produced by the same manufacturer.</p> <p>PO History:            P0725083 - 7-23-2015 - \$239,328.12</p>	Richard Baker, Senior Vice Dean for the School of Medicine, approved by Kenneth Doherty



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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
39	P1032954	SomaLogic Operating Co., Inc.  \$ 634,400.00  Grant Funds - Perinatal Research Branch	<p><b>Basis: Compatible with Existing Research Services</b>  SomaScan v4.1 Discovery Services for the Perinatology Research Branch from SomaLogic, Inc.</p> <p>The Bioinformatics and Computational Biology Unit, Maternal-Fetal Immunobiology Unit and Biomarkers Unit of the Perinatology Research Branch aim to measure the human proteome in plasma samples to 1) allow validation of blood-based prediction models of obstetrical disease that are currently being developed from existing data, and 2) enable discovery of additional biomarkers by expanding the existing datasets.</p> <p>The service SomaLogic Inc. will provide involves proteomic measurement in 976 samples (776 plasma samples, 100 urine samples, and 100 saliva samples) collected from pregnant women. Raw and normalized data will be shared with PRB researchers who will analyze the data. The data will be provided in computer files through a secure web portal.</p> <p>PRB requires the continued use of these services to maintain experimental consistency. SomaLogic offers unique services that other companies cannot provide.</p> <p>Previous PO's:  P1029204 - 08/2022 - \$140,000.00  P1027845 - 08/2022 - \$36,400.01  P1024602 - 07/2022 - \$11,200.00  P1021944 - 06/2022 - \$44,100.00  P1004752 - 12/2021 - \$292,000.00</p>	Stanley Berry, Chair of the Perinatology Research Branch, approved by Michael Wright

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
40	P1032905	DARKHORSE ANALYTICS INC  \$ 250,000.00  Grant Funds - VP Research	<p data-bbox="657 282 1329 303"><b>Basis: Identified within and Requirement of the Grant</b></p> <p data-bbox="657 310 1780 363">Design and development services for the PHOENIX Data Visualization Tool (version 2) for the Office of the Vice President for Research from Darkhorse Analytics, Inc.</p> <p data-bbox="657 396 1780 509">Since the release of version 1 of the PHOENIX Data Visualization Tool, the WSU team has received feedback and identified additional design elements to optimize the tool and its utilization. Darkhorse Analytics is the original developer of the tool and knows how to optimize it through modifications and maintenance.</p> <p data-bbox="657 542 1780 623">Darkhorse Analytics developed the current tool with the support of the PHOENIX team. In the future, WSU staff will begin to learn how to maintain this tool so that we will not need these services from an external vendor.</p> <p data-bbox="657 656 1780 709">Michigan Department of Health &amp; Human Services approved the utilization of Darkhorse in the Mobile Health Collaboration (\$250,000) Grant.</p> <p data-bbox="657 742 1079 886">Previous PO's: P1032482 - 9/20/2022 - \$29,750.00 P1028912 - 8/24/2022 - \$43,049.67 P1014102 - 3/31/2022 - \$197,500.00 P1008546 - 2/03/2022 - \$25,000.06</p>	Phillip Levy - Assistant Vice President for Research, approved by Kenneth Doherty

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
41	P1032742 Technolutions, Inc.  \$ 190,000.00  General Funds - AVP Enrollment Management	<p><b>Basis: Compatible with prior Service Agreements with Software Firm</b>  Professional Print Services for the Slate system for Undergraduate Admissions from Technolutions, Inc.</p> <p>Technolutions designed and developed Slate, which is the University's Customer Relationship Management (CRM) system. The Slate system is employed for the management of student related activities including recruitment, admissions and enrollment of students. They employ an entire team of Slate-experienced experts who work directly within the University's Admissions Office to optimize its usage and deliver complete communications campaigns, from the prospect stage to enrollment. Technolutions will continue to provide print services in the form of credits.</p> <p>Technolutions will produce the communications, including mailers and social media, texting (SMS), voice audio, fax, postcards, Facebook, Twitter, and letters delivered to the students. In order for the vendor to distribute printed materials, the University must purchase credits. The company utilizes a credit system in which credits are loaded into the University's account and deducted for each mailing.</p> <p>Technolutions is the only company that provides the credit processing and technical assistance for the Slate system. They will provide communication planning for student recruitment as well as create and maintain 2022-23 recruitment campaigns for the Department of Undergraduate Admissions.</p> <p>Previous POs:  P0997227 - 10/2021 - \$190,000 - Printed Materials  P0988210 - 06/2021 - \$35,000 - Software  P0971400 - 12/2020 - \$100,000 - Software  P0969172 - 11/2020 - \$50,000 - Printed Materials  P0969092 - 11/2020 - \$15,000 - Printed Materials  P0959987 - 08/2020 - \$35,000 - Printed Materials  P0938923 - 12/2019 - \$100,000 - Software  P0915681 - 06/2019 - \$35,375 - Printed Materials  P0891905 - 12/2018 - \$100,000 - Software</p>	Ahmad Ezzeddine - Vice President for Academic Student Affairs and Global Engagement, approved by Kenneth Doherty

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
42	P1032629	QuinCo Properties Inc  \$ 91,650.00  General Funds - FP&M Facilities Operations	<p><b>Basis: Continuation of Services from Recommended Source</b>  Property Management for 2727 Second Ave. for Facilities Planning and Management (FPM) from QuinCo Properties, Inc.</p> <p>The management service includes managing tenants, day-to-day operations, leasing, resolving disputes through WSU Office of General Counsel and reporting to FPM Real Estate and Asset Management. This location requires an individual with Property Management experience and the ability to fill 23.5 hours per week. The manager is picking up additional administrative duties for the building on a weekly basis. The 12-month contract total is \$91,650.00.</p> <p>QuinCo Properties has managed the day-to-day operations at 2727 Second Ave. for the past 12 months and it will be disruptive to Tenants of the building to replace with a vendor that is unfamiliar with process and procedures. In addition, WSU is trying to sell its interest in the building and does not want to hire a permanent employee to manage. The building partnership reimburses WSU for the monthly cost for management services.</p> <p>Specialized expertise in commercial real estate is required, and QuinCo Properties has expertise in this area.</p> <p>Previous PO's:  P0997768 - 10/04/21 - \$91,650.00  P0965191 - 09/29/20 - \$91,650.00  P0928415 - 09/24/19 - \$97,500.00  P0884953 - 10/24/18 - \$97,500.00  P0852530 - 02/28/18 - \$58,256.25</p>	Brinda Devine - Director of FP&M Real Estate Services, approved by Miriam Dixon
43	P1032550	National Medical Services, Inc.  \$ 200,000.00  Grant Funds - Wayne County Medical Examiner	<p><b>Basis: Compatible with Existing Medical Examiner's Office Services</b>  Laboratory testing and related services for the Wayne County Medical Examiner's Office, billable to Wayne State University.</p> <p>This is a continuation of services previously supplied on behalf of the MEO through the University of Michigan, and is part of the conversion to Wayne State.</p>	Thane Peterson - Vice Dean for the School of Medicine, approved by Kenneth Doherty

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
44	P1032545	Eurofins Donor & Product Testing, Inc.  \$ 25,000.00  General Funds - Ophthalmology Visual Anatomical Sci	<p><b>Basis: Compatible with and Continuation of Specialized Services</b> Blood testing on cadavers for the Mortuary Science Department from Eurofins Donor &amp; Product Testing, Inc.</p> <p>Eurofins Donor &amp; Product Testing will perform the required blood testing, including COVID-19, on all cadavers as they arrive at Scott Hall. This service is required for the safety of students, and furtherance of medicine while teaching medical students.</p> <p>Detroit Receiving Hospital no longer provides this service to the University. Eurofins Donor &amp; Product Testing has provided Mortuary Science with testing materials, which include paperwork, test tubes, packaging materials, and shipping costs along with an expedient turnaround time of 48 hrs.</p> <p>Prior POs include:</p> <p>P1003294 - 10/1/21 - 9/30/22 - \$24,000  P0963618 - 10/1/20 - 9/30/21 - \$35,000  P0929153 - 10/1/19 - 9/30/20 - \$34,500  P0887399 - 10/1/18 - 9/30/19 - \$24,000</p>	Linda Hazlett, Vice Dean for Research and Graduate Programs, approved by Miriam Dixon

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
45	P1032482	DARKHORSE ANALYTICS INC  \$ 29,750.00  Grant Funds - VP Research	<p><b>Basis: Identified within and Requirement of the Grant</b>            Design and development services for the PHOENIX Data Visualization Tool (version 2) for the Office of the Vice President for Research from Darkhorse Analytics, Inc.</p> <p>Since the release of version 1 of the PHOENIX Data Visualization Tool, the WSU team has received feedback and identified additional design elements to optimize the tool and its utilization. Darkhorse Analytics is the original developer of the tool and knows how to optimize it through modifications and maintenance.</p> <p>Darkhorse Analytics developed the current tool with the support of the PHOENIX team. In the future, WSU staff will begin to learn how to maintain this tool so that we will not need these services from an external vendor.</p> <p>Michigan Department of Health &amp; Human Services approved the utilization of Darkhorse in the Mobile Health Collaboration (\$250,000) Grant.</p> <p>Previous PO's:            P1032482 - 9/20/2022 - \$29,750.00            P1028912 - 8/24/2022 - \$43,049.67            P1014102 - 3/31/2022 - \$197,500.00            P1008546 - 2/03/2022 - \$25,000.06</p>	Phillip Levy - Assistant Vice President for Research, approved by Kenneth Doherty
46	P1032306	Illumina, Inc.  \$ 82,383.60  Auxiliary Funds - Ctr for Molecular Medicine & Gen	<p><b>Basis: Compatible with Existing Research Supplies</b>            NextSeq 2000 P3 Reagents (100 Cycles) for the Center for Molecular Medicine and Genetics (CMMG) from Illumina Inc.</p> <p>The NextSeq 2000 P3 Reagents will be used with the new Illumina NextSeq 2000 Sequencing System. The new sequencer will be an upgrade to the lab's current sequencer (Illumina NextSeq 500 Sequencer). The current sequencer and kits the lab uses to do their sequencing will soon be obsolete. The kits will work only with the upgraded sequencer.</p> <p>Illumina is the sole manufacturer of these kits. The Illumina NextSeq 2000 sequencing system has been negotiated at a significant discount. The lab will order these kits on an as needed basis.</p>	Lawrence Grossman, Chair of the Center for Molecular Medicine and Genetics, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
47	P1032263 10XGenomics  \$ 44,690.40  Auxiliary Funds - Ctr for Molecular Medicine & Gen	<p><b>Basis: Compatible with Existing Research Supplies</b>            Reagent kits for a single cell project for the Center for Molecular Medicine and Genetics from 10X Genomics.</p> <p>The reagents kits are used for the preparation of Single Cell Libraries. They are the only compatible reagents with the 10X Chromium Controller system currently used by the lab.</p> <p>10X Genomics is the only manufacturer of these kits that are needed for the lab's 10X Chromium Controller instrument.</p> <p>Previous PO: P1003663 - 12/2021 - \$48,672.80</p>	Lawrence Grossman, Chair of the Center for Molecular Medicine and Genetics, approved by Miriam Dixon
48	P1032057 Michigan Mortuary Removal Inc  \$ 30,000.00  General Funds - Ophthalmology Visual Anatomical Sci	<p><b>Basis: Compatible with and Continuation of Specialized Services</b>            Anatomical delivery and removal services for Ophthalmology, Visual and Anatomical Sciences Department from Michigan Mortuary Removal, Inc.</p> <p>Michigan Mortuary Removal is a local vendor. Pick-up and delivery of human remains in a timely manner is imperative for the School of Medicine. Untimely pick-ups at locations of death and the accumulation at School of Medicine, will cause a health hazard from overexposure to human remains such as blood born viruses. Also, embalming must occur in a timely manner to preserve for anatomical studies.</p> <p>The use of this vendor is based on proximity to the location of the bequests. It is imperative that this service is provided in a timely manner to prevent any health hazards, and for the furtherance of medicine in the teaching of medical students.</p> <p>Prior PO's:</p> <p>P0995919 - 2021 - \$25,000.00            P0964135 - 2020 - \$30,000.00            P0929191 - 2019 - \$35,000.00            P0880347 - 2018 - \$34,300.00            P0831154 - 2017 - \$32,000.00</p>	Linda Hazlett, Vice Dean for Research and Graduate Programs, approved by Miriam Dixon

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
49	P1032055	Wessels & Associates  \$ 32,000.00  General Funds - Ophthalmology Visual Anatomical Sci	<p><b>Basis: Scientific Judgment based on Specialized Research Supplies</b>            Embalming Fluid and related supplies for cadavers for the Mortuary Science Department from Wessels &amp; Associates, LLC.</p> <p>Wessels &amp; Associates provide embalming supplies on call and at lowest known prices. They also provide the non-standard mix of fluid required for the School of Medicine.</p> <p>The Mortuary Department annually reviews costs and product requirements from other vendors. There are currently no other vendors who can provide the required mix of fluid required to sustain the SOM's anatomical storage.</p> <p>Previous POs:</p> <p>P0997746 - 10/1/21 - 9/30/22 - \$33,500            P0963629 - 10/1/20 - 9/30/21 - \$32,000            P0930079 - 10/1/19 - 9/30/20 - \$37,000            P0880990 - 10/1/18 - 9/30/19 - \$29,000            P0831161 - 10/1/17 - 9/30/18 - \$27,000</p>	Linda Hazlett, Vice Dean for Research and Graduate Programs, approved by Miriam Dixon
50	P1030951	Ann Marie Delisi  \$ 94,548.00  Auxiliary Funds - Student Evaluation Forms	<p><b>Basis: Continuation of the Service Provider under a New Contracting Model</b></p> <p>Program Services from Ann Delisi, President of Delisivox, including producing and hosting the WDET Radio Program "Ann Delisi Essential Music" as well as provide consulting services towards fundraising efforts. Time Period will be 8-01-2021 through 9-30-2024. Prior \$70,911 PO P0959804 will be increased to \$229,402 and extended to 9/30/2024, to match the contract</p> <p>It was determined in 2020 that Program Hosts at WDET should be treated as independent contractors, and not as University employees. Ms. Delisi is the featured host and radio personality of part of the WDET Program regular line-up. Thus, to continue with her program, a single source contract is needed, as this service cannot be bid out.</p> <p>Prior POs:</p> <p>P0991245 - 7/21/2021 - \$23,637            P0984182 - 5/17/2021 - \$20,000            P0959804 - 7/29/2020 - \$70,911            P0958424 - 7/13/2020 - \$23,637</p>	Mary Zatina, General Manager - WDET, approved by Ken Doherty



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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
51	P1030516	Dell Incorporated  \$ 874,850.08  Auxiliary Funds - Chemistry Administration	<p data-bbox="651 276 1375 300"><b>Basis: Compatible with Existing Computing Infrastructure</b></p> <p data-bbox="651 300 1753 365">Dell PowerEdge C6525 Quad Node Computer Servers with support for the Office of Computing and Information Technology (C&amp;IT) from Dell, Inc and FS.COM, Inc.</p> <p data-bbox="651 389 1753 544">The Dell Power Edge C6525 Quad Node Servers are compatible with existing hardware utilized in C&amp;IT's, High-Performance Computing (HPC) grid system. The HPC system is designed for big data projects involving high-speed computation, data management, parallel and distributed computing, grid computing and other computationally intensive applications. Most of the hardware in the HPC environment is Dell, and they are working towards standardizing this hardware.</p> <p data-bbox="651 568 1753 657">The manufacturer will provide significant rebates for the purchase with Dell. These savings will be given to WSU in the form of a price reduction on the order. The manufacturer will not provide this discount to other vendors preventing them from being able to give competitive pricing.</p> <p data-bbox="651 682 1417 771">Previous POs: P0926414 - \$298,292 - Dell Inc - 9/2019 - HPC Computer Hardware P0737694 - \$198,911 - Dell Inc - 9/2015 - HPC Computer Hardware</p> <p data-bbox="651 795 934 888">Cost: Dell, Inc. \$874,850.08 FS. Com, Inc. \$7,410.00</p>	Rob Thompson, AVP for Computing & Information Technology, approved by David Massaron

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<b>No</b>	<b>PO NUMBER VENDOR / PRICE FUNDING SOURCE</b>	<b>DESCRIPTION</b>	<b>Approved by</b>
52	P1029853 Allentown LLC  \$ 223,463.68  General Funds - DLAR Administration	<p><b>Basis: Compatible with Existing Research Equipment</b>  Laboratory animal equipment for the Division of Laboratory Animal Resources (DLAR) from Allentown LLC.</p> <p>Allentown will provide single sided ventilated rodent racks, Phantom2 animal transfer stations, tower blowers, extended rabbit racks, and Sentinel2 attachment pieces. All associated accessories and caging are included in the purchase. The laboratory equipment will match most of the existing equipment in the vivarium. The items ordered can be smoothly integrated into the existing operations. For research operations, it is important to provide a consistent product and environment for the animals.</p> <p>Allentown is the University's preferred vendor of laboratory animal equipment due to the high performance of the equipment, ergonomic ease of use, and technical support from the local company representatives. DLAR has similar items from competitors, however the consistent quality of the items, ease of use, and service support is vastly superior with Allentown. The selected vendor is the best option when considering price and quality.</p> <p>Previous POs:   P1010421 - 02/2022 - \$19,634.46  P0998119 - 10/2021 - \$420,343.90  P0998115 - 10/2021 - \$296,235.50  P0963049 - 09/2020 - \$281,596.32</p>	Michael Bradley, Director - Department of Laoratory Animal Resources, approved by Kenneth Doherty
53	P1029747 JAMF Holdings Inc & Subsidiaries  \$ 33,831.00  General Funds - Media Svcs Administration	<p><b>Basis: Compatible with Existing Computing Infrastructure\</b>  <b>Software for Computing &amp; Information Technology (C&amp;IT) from JAMF.</b></p> <p>JAMF provides management ability of various apple products. It is the only known software that can provide this management function. This gives C&amp;IT the ability to inventory apple products on campus and appear to Apple as the equipment owner, instead of relying on Apple personal accounts.</p> <p>This is a proprietary software. No other known software can provide Mac management. Apple itself does not provide a comparable service and uses JAMF for equipment management.</p>	Rob Thompson, AVP for Computing & Information Technology, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
54	P1029713 Merit Network, Inc.  \$ 40,800.00  General Funds - Dir Computing Center Services	<p><b>Basis: Continuation of Specialized IT Services with Recommended Source</b>            Data Center space at Merit's Southfield location to co-locate the University's Disaster Recovery (DR) systems for Computing and Information Technology (C&amp;IT) from Merit Network, Inc.</p> <p>The WSU's DR computing systems has been located at the Southfield data center since 2016. The use of this facility for the DR systems will be required for another year. This service is needed to reduce the risk of loss of computing at the WSU data center affecting business continuity of the critical computing systems.</p> <p>In 2015, a full cost comparison of alternate DR sites was conducted, and this location was identified as the most cost-effective solution. Merit offers "last mile" network connection to this facility with no additional cost to WSU, which is a significant cost savings over any other vendor's solution. There would be significant costs incurred to relocate these services at this time.</p> <p>Previous POs:            P0997562 - 09/30/2021 - \$40,800            P0828717 - 08/25/2017 - \$36,720            P0785015 - 09/22/2016 - \$36,720            P0748882 - 12/04/2015 - \$36,720</p>	Robert Thompson, AVP for Computing & Information Technology, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
55	P1029591 North Acquisition LLC  \$ 27,692.00  General Funds - Media Svcs Administration	<p><b>Basis: Compatible with Existing Computing Software</b>            CrashPlan software for Computing and Information Technology (C&amp;IT) from North Acquisition, formerly Code42.</p> <p>CrashPlan provides seamless backup of computer data of all Apple products. It is the only software that is capable of providing this feature. The software gives C&amp;IT the ability to redirect and backup data on every managed mac machine owned by the University instead of Apple personal accounts.</p> <p>CrashPlan is a proprietary software, and no other software can provide this level of managed backup and recovery of data.</p> <p>The request is for a three-year period, 09/01/2022 through 08/31/2025, and a total of \$83,076 to be spread across three 1-year Purchase Orders.</p> <p>Prior PO's under the name Code 42 Software Inc            P0992865 - 8/20/2021 - \$9,425.00            P0961925 - 8/25/2020 - \$8,775.00            P0923995 - 8/23/2019 - \$8,775.00            P0879249 - 9/17/2018 - \$9,626.25</p>	Robert Thompson, AVP for Computing & Information Technology, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
56	P1030162 Fiberstore Co Limited  \$ 7,410.00  ICR Funds - Schlegel, H Bernhard	<p><b>Basis: Compatible with Existing Computing Infrastructure</b> Dell PowerEdge C6525 Quad Node Computer Servers with support for the Office of Computing and Information Technology (C&amp;IT) from Dell, Inc and FS.COM, Inc.</p> <p>The Dell Power Edge C6525 Quad Node Servers are compatible with existing hardware utilized in C&amp;IT's, High-Performance Computing (HPC) grid system. The HPC system is designed for big data projects involving high-speed computation, data management, parallel and distributed computing, grid computing and other computationally intensive applications. Most of the hardware in the HPC environment is Dell, and they are working towards standardizing this hardware.</p> <p>The manufacturer will provide significant rebates for the purchase with Dell. These savings will be given to WSU in the form of a price reduction on the order. The manufacturer will not provide this discount to other vendors preventing them from being able to give competitive pricing.</p> <p>Previous POs: P0926414 - \$298,292 - Dell Inc - 9/2019 - HPC Computer Hardware P0737694 - \$198,911 - Dell Inc - 9/2015 - HPC Computer Hardware Cost: Dell, Inc. \$874,850.08 FS. Com, Inc. \$7,410.00</p>	Robert Thompson, AVP for Computing & Information Technology, approved by David Massaron

**37 / \$ 4,914,015.26**

**E. PARTNERSHIPS/SPONSORS**

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
57	P1033530	University Physician Group  \$ 43,248.00  Grant Funds - Internal Medicine	<p><b>Basis: Use of a University Affiliate for Specialized Services</b> Medical services for the Office of Vice President for Research from University Physician Group dba Wayne Health.</p> <p>Wayne Health was approved by Michigan Department of Health and Human Services (MDHHS) to provide the services under the MDHHS Master Agreement Contract E20221875-00. MDHHS specifically requested the services from the Wayne Health Mobile Unit to assist with HIV testing and STI screening at Alternative for Girls.</p> <p>Wayne Health is the only mobile unit that can provide these services at this location. There are no other mobile health units that has the capacity to offer the services required under this funding.</p> <p>There are no previous POs for this project; however, P1032893 (\$23,200.00) is in conjunction with this request.</p>	Phillip Levy - Assistant Vice President for Research, approved by Miriam Dixon
58	P1033408	University of Michigan  \$ 25,048.04  Grant Funds - Perinatal Research Branch	<p><b>Basis: Use of a University Affiliate for Specialized Services</b> Sample quality control and bisulfite treatment, Illumina Bead Array for the Perinatology Research Branch (PRB) from the University of Michigan (UM) Epigenomics Core.</p> <p>This project involves the assessment of DNA quality, followed by bisulfite treatment and methylation profiling using Illumina EPIC arrays for 384 placenta samples.</p> <p>Unlike other vendors offering methylation services, UM allowed PRB the option to purchase the Illumina microarray kits directly and ship them to the lab for analysis. Other vendors wanted to purchase the kits and charge PRB a markup fee on the cost. Therefore, UM is the most cost effective option while ensuring quality of results and reasonable timelines for the completion of the work.</p> <p>There are no previous POs associated with this requisition.</p>	Stanley Berry, Chair of the Perinatology Research Branch, approved by Michael Wright

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
59	P1032436	Henry Ford Health System \$ 58,520.00	<p><b>Basis: Use of a University Affiliate for Specialized Services</b>            Services to collect patient-related information for Department of Pharmaceutical Sciences from Henry Ford Health System (HFHS).</p> <p>Grant Funds - Pharmaceutical Science HFHS will collect patient-related information by reviewing patient medical records, extract necessary information from the record, transferring the data to the research team at WSU, coordinating, handling and receiving genomic data from WSU, and upload genomic and clinical data to the database assigned by the State of Michigan as defined in the SAPPHIRE grant.</p> <p>The information collection is primarily based on patient samples collected in HFHS. Therefore, this service can be only provided by specifically assigned personnel of HFHS, given the HIPPA requirements as well as local and federal regulations.</p> <p>The service is critical to the proposed research since patient-related data is required by the Michigan Department of Health and Human Services. Since HFHS owns the data, it requires specific personnel for managing this data and the transfer process.</p>	Steven Firestine, Interim Chair, Pharmaceutical Sciences, approved by Miriam Dixon
60	P1029808	University Physician Group \$ 55,399.00 Grant Funds - VP Research	<p><b>Basis: Use of a University Affiliate for Specialized Services</b>            Preventative screening and vaccinations to the Detroit community for the Division of Research through Wayne Health.</p> <p>Wayne Health will provide Community Health Workers who are trained to provide follow-up services. Because of their proximity and affiliation with the University, they are uniquely qualified and able to meet the needs of this grant. They are a partner integral to the success of this project.</p>	Phillip Levy - Assistant Vice President for Research, approved by Kenneth Doherty

**4 / \$ 182,215.04**

**F. Bid Waiver not signed off by Procurement. Ordering Dept signed off on contract.**

**0 / \$ 0.00**

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
61	<b>G. OTHER (SEE EXPLANATION)</b> P1036410 Shaffer Distributing Co  \$ 34,825.00  Grant Funds - MDHHS State Opioid Response	<b>Basis: Identified within and Requirement of the Grant</b> Narcan Vending Machines for the School of Social Work from Shaffer Distributing.  The purpose of the vending machines is to distribute naloxone (Narcan) kits, free of charge to individuals who want a kit. the School of Social Work will place these machines throughout the State of Michigan with a primary target to provide them to local county jails.  The School of Social Work obtained quotes from Schaffer Distributing Company and Vendtek Wholesale Equipment. Shaffer has the vending machine model that meets the terms of the Research grant and is priced lower than the Vendtek model. In addition, Schaffer has the capacity to deliver vending machines anywhere in the State of Michigan.  The funds for this purchase are a grant award from the Michigan Department of Health and Human Services (MDHHS) entitled State Opioid Response Nalaxone and is for fiscal year 2023. The build to ship times have greatly increased based on the popularity of this program across the nation. Any delays in this ordering process could jeopardize deliverables to the MDHHS.  Previous POs: P0990363 - 9/2021 - \$38,250.00 P0982971 - 4/2021 - \$17,625.00	Mark Kornbluh, Provost, approved by Miriam Dixon
62	P1036409 Regents of the University of Michigan  \$ 376,183.03  Grant Funds - Wayne County Medical Examiner	<b>Basis: Use of a University Affiliate for Specialized Services</b> Purchase of the remaining supplies initially purchased and owned by the University of Michigan on behalf of the Wayne County Medical Examiner’s Office (MEO). As of October 01, 2022, responsibility for administrative support of the MEO transferred from U of M to Wayne State. Rather than have U of M pick up all unused supplies and small equipment, only to be repurchased by WSU through other sources, it only made sense for Wayne State to purchase the remaining inventory.  Procurement, the SOM, and the MEO examined the detailed listing of inventory being sold to the University at cost, and found all of the 246 items listed on U of M’s invoice to be at fair market value.	Thane Peterson - Vice Dean for the School of Medicine, approved by Kenneth Doherty



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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
63	P1036407 Dell Incorporated  \$ 104,268.74  Grant Funds - UM CC*Regional Computing Helping	<p><b>Basis: Identified within and Requirement of the Grant</b>            PowerEdge computer servers for the Computing &amp; Information Technology from Dell Inc.</p> <p>The computer server hardware is required to implement the multi-institution Helping Our Researchers Upgrade their Science (HORUS) grant. This hardware will be closely integrated with existing OSiRIS network and storage. This computer environment matches installations at the University of Michigan (U of M) and Michigan State University (MSU).</p> <p>2 PO's have been issued at \$104,268.74 abd \$94,364.84 for a total of \$198,633.58</p> <p>The selection of this equipment was led by U of M who did the groundwork choosing optimal hardware and negotiating exceptional pricing. There are no other options, WSU's equipment must mirror that of its HORUS grant partners. In addition, WSU, UM and MSU are part of a grant which specified these servers that meet the need and scope of the project.</p> <p>Previous POs:            P0932704 - \$119,545.50 - Dell PowerEdge R7425 Storage Servers            P0879259 - \$69,993.54 - Dell PowerEdge R740 &amp; MD3060e Storage Servers            P0879806 - \$18,883.08 - Dell Z9100 Network Switch</p>	Rob Thompson, AVP for Computing & Information Technology, approved by Kenneth Doherty
64	P1036214 Ryan Medical Education LLC  \$ 63,495.00  General Funds - Medicine Omnibus Awards	<p><b>Basis: Recommended Source for Specialized IT Platform Services</b>            Annual subscription license for the School of Medicine from Ryan Medical Education, LLC dba Boards &amp; Beyond.</p> <p>Boards &amp; Beyond is an on-demand subscription service that prepares medical students for the United States Medical Licensing Examinations (USMLE). Subjects of study include cardiology, pulmonology and biostatistics and corresponding subtopics. Boards &amp; Beyond contains 1,300 quiz questions, more than 400 videos (averaging 26 minutes each) and companion books.</p> <p>The School of Medicine explored similar software options and found Boards and Beyond is only vendor that provides an on-demand service that provides comprehensive and specialized USMLE examination preparation materials.</p> <p>There are no previous POs associated with this requisition.</p>	DeShaun Harris, Director - Medical Student Services, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
65	P1033751 Accurate Networks, LLC  \$ 470,200.00  Auxiliary Funds - Media Svcs Administration	<p data-bbox="657 282 1465 303"><b>Basis: Recommended Source for Specialized IT Platform Services</b></p> <p data-bbox="657 310 1755 362">Video Management System (VMS) mitigation for Computing &amp; Information Technology (C&amp;IT) from Accurate Networks.</p> <p data-bbox="657 397 1772 537">Accurate Networks will provide VMS migration from Qognify VisionHub to Genetec Security Center. Qognify recently announced end of life for VisionHub, which means it is no longer possible to receive security updates or new versions of the software. WSU's Qognify VisionHub maintenance contract with Detection Systems and Engineering expires on September 30, 2022, which will leave the VMS without vendor-based technical support.</p> <p data-bbox="657 573 1782 740">Genetec Security Center is used exclusively by the Detroit Police Department (DPD) for Project Green Light and their regular video surveillance activities. C&amp;IT and WSUPD have chosen Genetec Security Center to allow WSUPD and DPD to utilize resources between departments as one cohesive VMS. Accurate Networks is DPD's VMS vendor and support company. They provide migration efforts and operator training for basic usage, advanced system diagnosis and technical support training, and regular software updates and maintenance.</p> <p data-bbox="657 776 1749 857">Other companies were considered but ruled out due to feature deficiencies and the impossibility of integrating with DPD's Genetec VMS. Genetec Security Center is the only VMS that can federate (communicate) with DPD's Genetec Security Center VMS.</p>	Rob Thompson, AVP for Computing & Information Technology, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
66	P1033145 CORE Higher Education Group LLC  \$ 34,200.00  General Funds - Pharmacy Practice	<p><b>Basis: Informal Quotes obtained by the Requesting Department</b>  Software licenses for the Department of Pharmacy Practice from CORE Higher Education.</p> <p>The software licensees include the ELMS Annual Software License, CompMS Annual Software License, MyCred ePortfolios Annual Licenses, and READINESS Annual eLearning Center.</p> <p>The Department of Pharmacy Practice conducted an extensive review process, which resulted in favor of CORE Higher Education. Four (4) products on the market were considered viable and reviewed. The results were as followed:</p> <ul style="list-style-type: none"> <li>· Exxact significantly lacked needed features for the Pharm.D. Program.</li> <li>· PharmAcademica lacked needed features for the Pharm.D. Program and the Company determined they were dropping the product.</li> <li>· E*Value did not have all the features needed required for the Pharm.D Program.</li> <li>· CORE had the needed features for the Department's Program at a price equivalent to the inferior product E*Value. In addition, CORE provided the Department with a negotiated one-year no cost transition.</li> </ul> <p>The Department of Pharmacy Practice was previously using E*Value/Ascend Learning Holdings (PO P0924975).</p> <p>Prior POs  P0998319 - 10-09-2021 - \$34,200  P0980642 - 04-01-2021 - \$34,200</p>	Lynette Moser - Chair at Pharmacy Practice, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
67	P1032904 MF Digital Marketing, Inc.  \$ 173,508.00  General Funds - Law School Administration	<p><b>Basis: Informal Quotes obtained by the Requesting Department</b> Specifically tailored digital ads, custom and personalized landing pages and emails for the Law School from MF Digital Marketing.</p> <p>MF Digital Marketing provides the Law School with unique data that scores potential applicants based on their likelihood to apply. It provides valuable insight into the Law School's prospective student pool and allows the school to follow-up with specific content to further engage the audience with the goal of leading to a completed application to attend Wayne Law.</p> <p>The Law School has worked with MF Digital for the last two years and has seen excellent results. Internal email open rates to the audiences identified by MF Digital far exceed industry standard and expectations. MF Digital also has a track record working with law schools and graduate programs, and currently manages the digital marketing for the WSU Law School Master of Studies in Law program. Wayne Law has experienced an increase in applications since working with MF Digital. As part of the process, MF Digital continued to gain significant knowledge regarding WSU and the Law School's vision and brand.</p> <p>MF Digital's "likely to apply" list has empowered the Law School to specifically target those leads with content that is likely to engage the applicant before the priority scholarship deadline. This year, the school would like to invest more money into media buy.</p> <p>Prior POs            P1032177 - 9/23/2022 - \$189,304.12            P1008089 - 1/28/2022 - \$ 98,800.00            P0996380 - 9/21/2021 - \$108,650.00            P0985187 - 5/27/2021 - \$137,813.00            P0977988 - 3/03/2021 - \$110,000.00            P0962993 - 9/04/2020 - \$124,995.00            P0955208 - 5/31/2020 - \$ 95,399.00</p>	Adeeb Mozip - Director for Business Affairs at the Law School, approved by Kenneth Doherty

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
68	P1032811 Anthology Inc of NY  \$ 64,626.00  General Funds - Provost Administration	<p><b>Basis: Recommended Source for Specialized IT Platform Services</b>            On-line tools for documenting learning outcomes assessment for the Office of the Provost from Anthology.</p> <p>Anthology provides on-line tools for documenting learning outcomes assessment used by more than 350 WSU academic and student services programs. The tools enable programs to annually collect and report assessment data to the Higher Learning Commission as a component of the University's accreditation process.            The primary tool is Planning, but Baseline and Outcomes are also related tools included in the license. Programs use Planning to document their goals, assessment methods, data, and strategic plans for improvement.</p> <p>WSU recently transitioned to Planning, which is an upgrade to its predecessor, Compliance Assist. This transition required retraining users in 2019-2020 but was worthwhile for its improved functionality and ability to retain the historical record of university assessment data needed for accreditation reporting. In contrast, licensing and implementing a new system would lose the connected historical data and require new training for users in all 350+ programs.</p> <p>The Office of the Provost reviewed additional tools, such as AEFIS and TK20. These tools were rejected because either it did not have program-level data reporting or there were extensive negative reviews from users at other institutions.</p>	Darin Ellis - Associate Vice President for the Office of the Provost, approved by Miriam Dixon
69	P1032728 Onix Networking Corp  \$ 46,000.00  Grant Funds - VP Research	<p><b>Basis: Recommended Source for Specialized IT Platform Services</b>            Google Cloud Platform (GCP) services for the Office of the Vice President for Research from Onix Networking.</p> <p>Onix will provide WSU with as-needed access to GCP services for research, education, and administrative use. WSU has established a working relationship with Onix, and they can provide the services needed without requiring additional oversight by Computing &amp; Information Technology.</p> <p>Google provided names of companies that have experience using their software at the level required by PHOENIX. The WSU Phoenix Reentry Program provides undergraduate students who left WSU on probation or exclusion and are currently able to thrive academically with the opportunity to petition for return under a second start policy.</p> <p>Prior POs Include            P1002509 - 11-19-2021 - \$30,000            P0953469 - 04-24-2020 - \$30,000</p>	Phillip Levy - Assistant Vice President for Research, approved by Miriam Dixon

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No	PO NUMBER VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
70	P1032691 The Maynard Group  \$ 94,548.00  Auxiliary Funds - Student Evaluation Forms	<p data-bbox="657 285 1766 367"><b>Basis: Continuation with a Proven Source for Professional Advisory Services</b> Media Consulting services for WDET to be provided by The Maynard Group. This is a continuation from prior fiscal years.</p> <p data-bbox="657 399 1766 540">WDET will continue to use Pulitzer-Prize winning journalist Stephen Henderson for media consulting and analyst services. Stephen is a trusted voice and a fantastic listener who recognizes the value of an informed, engaged and connected Detroit. Stephen also provides invaluable media and fund raising consulting services as it relates to improving WDET local radio programs and increased funding efforts.</p> <p data-bbox="657 573 1766 654">Program host changes are historically known to cause a dramatic reduction in membership donations. WDET would also lose a valuable expert who is knowledge of WDET specific media coverage and funding raising needs</p> <p data-bbox="657 686 1766 743">This Bid Waiver is for \$283,644, to cover the cost of a 3 year period, from 10-01-21 through 9-30-24. Separate PO's will be issued for each fiscal year.</p> <p data-bbox="657 776 1060 974">Previous PO's:  P0965561 - Sept 2020 - \$94,548.00  P0927877 - Sept 2019 - \$94,548.00  P0879956 - Sept 2018 - \$94,548.00  P0831526 - Sept 2017 - \$92,244.00  P0782138 - Sept 2016 - \$90,000.00  P0741836 - Oct 2015 - \$72,000.00</p>	Michael Wright, Vice President & Chief of Staff, approved by Kenneth Doherty

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
71	P1032603	Gartner Inc.  \$ 43,300.00  General Funds - Director University Communications	<p data-bbox="657 282 1318 303"><b>Basis: Recommended Source for Specialized Services</b></p> <p data-bbox="657 310 1780 362">Gartner subscription for CIT Senior Leadership Team (SL T), to assist with decision making related to IT based products and services.</p> <p data-bbox="657 397 1780 480">C&amp;IT is in need of an independent, unbiased, and comprehensive resource to information, evaluations, and comparisons for current IT products in the marketplace. This resource will assist and enhance C&amp;IT SL T product evaluations for current and future IT purchases.</p> <p data-bbox="657 516 1780 654">Gartner has a 40 year history of providing pertinent IT information to IT executives in the Fortune 500 and Education markets. Gartner clients include both providers/users and suppliers of \technology which positions them to provide perspective/information from both sides of the IT market spectrum. This subscription also provides access to an experienced team of analysts for unique requests as well as connecting peers with like needs.</p> <p data-bbox="657 690 1056 773">Previous PO's:  P0965144 09/2020 \$40,800.00  P0941507 12/2019 \$30,600.00</p>	Rob Thompson, AVP for Computing & Information Technology, approved by Kenneth Doherty

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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
72	P1032177	MF Digital Marketing, Inc.  \$ 189,304.12  General Funds - Law School Instruction	<p><b>Basis: Informal Quotes obtained by the Requesting Department</b>            Strategy Master of Studies in Law (MSL) degree HR Online Digital Marketing Campaign for the Law School from MF Digital Marketing.</p> <p>MF Digital will assist with developing and reinforcing relationships with prospective students at every stage of the recruitment cycle. Lead nurturing will focus on listening to the needs of the prospective students and providing the information and answers they seek. This is important because most students are not ready to commit after the initial inquiry and need to be nurtured to the point of application and matriculation.</p> <p>MF Digital developed and implemented a successful lead generation and nurturing campaign for the launch of the MSL program in winter 2021. The campaign led to an inaugural MSL class of 19 students, which was double the projected number in the first academic year. Most recently, MF Digital developed and implemented the lead generation and nurturing campaign for fall 2021, winter 2022 and fall 2022 that allowed the Law School to add additional students to the program. The school has surpassed the projected number of the third academic year in the first two years with 54 students enrolled. As part of the process, MF Digital continued to gain significant knowledge regarding WSU and the Law School's vision and brand. Thus, streamlining the process for development of a lead and nurturing campaign for winter/fall 2023 and allowing the school to dedicate more funds to media purchases (e.g., Google, Linked In, etc.)</p> <p>In January 2020, proposals from at least three other companies were received and were higher than MF Digital. The Law School is currently working with MF Digital to recruit for the JD program, and they are already familiar with the University's branding and messaging.</p>	Adeeb Mozip - Director for Business Affairs at the Law School, approved by Kenneth Doherty



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No	PO NUMBER	VENDOR / PRICE FUNDING SOURCE	DESCRIPTION	Approved by
73	P1031591	ColorID  \$ 103,220.05  General Funds - One Card Service Center	<p><b>Basis: Informal Quotes obtained by the Requesting Department</b> OneCard printers, consoles, and software service for the OneCard Office from ColorID, LLC.</p> <p>The purchase will include five new OneCard printers, two consoles and 5-years of software service to replace the current printers and software that are reaching end-of-life. OneCard researched other suppliers and concluded that the FARGO Connect software and FARGO printers best meet the needs of the department.</p> <p>ColorID is one of the premier suppliers for card printers and software in the card industry. Currently, ColorID has promotions that will save thousands of dollars compared to other companies. Other companies are much more expensive, and the salespeople have been difficult to contact and work with. Over the course of a year, ColorID has met with OneCard to help choose the best software and hardware for the University.</p> <p>ColorID is the best company to assist in the installation and use of the new software and hardware. This software and hardware are also compatible with the University's CBORD system software.</p>	Audra Forsberg, Director of OneCard Services, approved by Miriam Dixon
		<b>13 / \$ 1,797,677.94</b>		
<b>Total</b>		<b>73 / \$ 8,581,564.03</b>		