

MINUTES OF THE MEETING
OF THE
MICHIGAN STATE UNIVERSITY
BOARD OF TRUSTEES

December 17, 2021

President Stanley called the meeting of the Board of Trustees to order at 8:00 a.m.

Trustees present: Dianne Byrum, Melanie Foster, Renee Knake Jefferson (via phone), Dan Kelly, Pat O'Keefe, Brianna Scott, Kelly Tebay, and Rema Vassar.

University officers present: President Stanley, Provost and Executive Vice President Woodruff; Executive Vice Presidents Beauchamp and Woo; Senior Vice Presidents Frace, Gore, and Wilbur; Acting Board Secretary and Vice President and General Counsel Quinn; Vice Presidents Bales, Bollman, Gage, Guerrant, Heil, and Swain. Faculty liaisons present: Karen Kelly Blake and Richard Fulton. Student liaisons present: Sara Hugentobler, Kaitlyn Bolton, and Georgia Frost.

All actions taken were by unanimous vote of the Trustees present, unless otherwise noted.

1. On a motion by Trustee Scott, supported by Trustee Kelly, the **BOARD VOTED to approve** the proposed agenda.
2. On a motion by Trustee Foster, supported by Trustee Kelly, the **BOARD VOTED to approve** the minutes of the October 29, 2021 Board of Trustees meeting.
3. Public Participation
 - a. Michael Balow—Support for Health and Wellness Center concept
 - b. Kyle Shumaker—Lack of follow up on concerns, including ethics hotline report
 - c. Julia Lower—Injustice for sexual assault survivors pertaining to the justice system within MSU and OIE
 - d. Matthew Latham—2021 Men's Water Polo national championship
 - e. James Thurston—Swimming and Diving
 - f. Corrin Buck—Swimming and Diving
 - g. Cate Dombrowski—MSU Firearms Policy
4. President's Report

President Stanley provided the following report to the Board:

I want to begin with a very large thank-you to everyone across the campus and beyond for their work and dedication to Michigan State. In my remarks today, I will look back at 2021 and offer some reflections on what we accomplished together. And I will conclude with a look into the new year, where we anticipate many more exciting things.

We started the year welcoming two new trustees, Pat O’Keefe and Dr. Rema Vassar, and I want to say I have appreciated your support and insights through the year, and that of the entire board. I have also appreciated trustees’ engagement in strategic planning and the trustees’ participation in events such as commencements, receptions, and recognition opportunities. And it is always great to see our trustees in communities across the state.

As you recall, we started 2021 with safety uppermost in mind and increasing optimism for COVID-19 based on vaccines. We had opened the Pavilion as a vaccination distribution site and by the time it closed in June, we helped dispense more than 96,500 doses to protect our community. Vaccines, indoor masking and other measures allowed us to safely welcome back almost 50,000 students in the fall to experience the campus living and learning they value. The pandemic brought significant uncertainty and tremendous financial impact, leading to difficult decisions including compensation reductions, furloughs, and layoffs. Consultation with shared governance was a key component of our efforts, and we implemented their recommendation that any salary cut be progressive and that we omit our least paid faculty and academic staff from salary reduction plan. We also appreciated the recommendation for no salary increases in the last academic year. Our shared goal was always to keep our academic and research programs intact and keep MSU accessible to our students. And we did just that, including increasing financial aid to our students and families by nearly \$50 million over the pandemic. This effort required sacrifices from every employee, and I appreciate the many who came to campus every day to do essential work to keep our campus clean, safe, and operational. From the beginning, we have said that we will restore the compensation reductions as soon as possible, and we are doing just that. We reinstated the full retirement benefit match six months earlier than we expected and restored salaries two months ahead of schedule, impacting 10 months for faculty and academic staff rather than a year. We also added 2 percent raises for faculty and academic staff effective January 1, and we are exploring an additional increase within the calendar year, if feasible. And to recognize the extraordinary efforts and dedication of each and every one of our employees, I was pleased this week to announce \$1,500 bonuses in January for regular and temporary faculty, academic and support staff, research and post-doctoral fellows and graduate teaching and research assistants. The one-time bonuses will come from university financial reserves, but as I noted in my announcement, the longer-term financial effects of the pandemic on enrollment and tuition revenue, as well as increased costs associated with COVID-19 will linger and need to be addressed for the next several years. As a further mark of our recognition of how hard we all have worked, I was pleased we could add for the first time in MSU history a three-day holiday

break extension for employees at the end of this month. And at the urging of ASMSU, we piloted a two-day student fall break to support students' well-being and have now added it to the academic calendar. And recognizing how the stress of caring for others impacts the well-being of many employees, we are working to develop a university-wide caregiver program to offer support.

2021 was marked by accomplishment in many other areas vital to the future of our students and the university. I am grateful to my presidential advisors and the working group that created a comprehensive strategic plan addressing relationship violence and sexual misconduct. We have now completed 126 requirements that stemmed from federal investigations, as reported on our dashboard. And we have grown our on-campus services, such as the Sexual Assault Healthcare Program, which is staffed 24/7 by specially trained nurses. This program is a part of the Center for Survivors, which once consisted of two individuals and now has 36 employees and many other volunteers who are working every day to help survivors in a trauma-informed way. I am also proud of the work of the steering committee for the strategic plan focused on diversity, equity, and inclusion. This plan, utilizing the infrastructure created by the efforts of our newly appointed Vice President and Chief Diversity Officer Jabbar Bennett, will allow us all to tackle longstanding DEI issues on our campus, including the need for a multicultural center. We set many ambitious goals in the university strategic plan to achieve our mission and take Michigan State to 2030 and beyond. In the strategic plan we will focus on priorities in student success, innovation, sustainable health, resource stewardship and DEI. Implementation of the strategic plan has begun, with significant efforts underway across campus.

We took a significant step this year toward the strategic plan's graduation rate goal of 86 percent, with an impressive 0.8 percent increase to just over 82 percent. It is the seventh straight year of annual increase and a huge testament to the work of our faculty and academic staff, as well as our student support programs. I want to add another proud student success achievement we're recognizing today, and that is the 38 graduating seniors earning 4.0 GPAs at MSU. I want to salute them and also congratulate the more than 2,600 fall graduates we will honor at commencement ceremonies today and tomorrow, together with some summer graduates who will also attend. In addition, we were extremely proud to announce this week that Honors College senior Andrew McDonald is MSU's 19th Marshall Scholar. He will pursue graduate studies in the UK and is a standout example of MSU's educational excellence. To help raise student support services to a new level, we are consolidating the divisions of Student Affairs and Services and Residential and Hospitality Services into the Division of Student Life and Engagement under Senior Vice President Vennie Gore. I am looking forward to watching synergies and new opportunities develop there in the coming year.

We saw the breadth of the quality of MSU's academic programs highlighted again this year by U.S. News & World Report, which ranked five graduate programs first in the nation, with several others appearing in the Top 20. That now gives MSU

nine U.S. News top programs. For the 27th consecutive year, MSU's College of Education ranked number one for elementary and secondary education. The college also ranked number one in curriculum and instruction, and for the first time, added a number one ranking for educational administration. And for the fifth consecutive year, the Eli Broad College of Business graduate Supply Chain program also took top ranking. U.S. News this year also ranked the undergraduate Supply Chain program number one, for the 11th straight year. I was also pleased to see Michigan State's work toward sustainability scholarship and practices place it recently at number 21 in the Princeton Review's ranking of top green colleges. We can also be proud the same source ranked our popular undergraduate Entrepreneurship Program number 17 in the country. Such instructional quality is based in the deep scholarship and research conducted by our faculty members. This excellence placed MSU in the top 6 percent of institutions in the 2022 Times Higher Education World University Rankings. Those rankings are based on the caliber of our teaching, research, citations, knowledge transfer and international outlook, all of which make critical connections between knowledge discovery and our educational mission.

This year we reached back into MSU's legacy of discovery to open the newest chapter in the William Beal seed experiment, one of the world's long-running experiments. Researchers retrieved 140-year-old cached seeds and successfully germinated several, gaining national attention for our leadership in plant science. We further demonstrated the practical application of MSU science, as well as our commitment to sustainability, by affixing transparent solar glass panels to help power our Biomedical and Physical Sciences Building. While research advances cannot always be calculated, I wanted to share some measures of the impact of MSU research and innovation. The MSU Innovation Center this year tallied 120 new inventions disclosed, 37 patents issued, nearly \$21 million in corporate support for research projects and three startup companies, all of which make our region and the state of Michigan more competitive.

Much of Michigan State's considerable impact comes from leveraging our external relationships, and we unveiled several exciting new partnerships in the last year. The Envision Green program with Lansing Community College offers MSU academic counseling services there and opened channels for other cooperation. I also met with my counterparts at other community colleges to discuss ways to support their students' transitions to MSU. We moved decisively to advance a new standard of health care in Detroit and statewide by formalizing a 30-year partnership with the Henry Ford Health System. We are aligning our basic and translational research and creating an integrated network of scientists, scholars, and practitioners. This includes particular focus on cancer research and care, and on embedding DEI in the health sciences ecosystem to address health care disparities.

And in partnership with Apple and the support of the Gilbert Family Foundation and Rocket Companies, we helped open North America's first Apple Developer

Academy in Detroit. I toured it this fall with the lieutenant governor, met our first cohort of students and came away greatly impressed with the opportunities it offers to diverse communities for technology careers. Much of our research and education happens beyond our East Lansing campus, and our presence in Flint and Grand Rapids is substantial. Earlier this fall, trustees joined me for a tour of the Doug Meijer Medical Innovation Building in Grand Rapids, which is a great example of how public/private partnerships leverage our assets to expand our impact in communities across Michigan. The economic impact of our associated Grand Rapids Medical Mile facilities, including the Meijer building, Secchia Center and research center, is estimated to exceed \$200 million annually.

On campus, we officially opened new facilities that will add to our capability to support student and faculty success. These included preparing students for technology careers with the innovative STEM building and the new Wonders Hall teaching and learning spaces we opened just last week. And the new Billman Music Pavilion offers an exceptional facility to nurture artistic creativity and expression.

What is surely music to the ears of many, we are ending the year in athletics on a high note. Spartan Football is number 10 in the country with a 10-2 record and a matchup coming in the Peach Bowl on December 30 against Pittsburgh. We had a great year in many sports, including for both our women's and men's cross-country teams. Due to COVID pushing most fall 2020 sports into spring, the cross-country teams participated in NCAA championships twice this year. You met U.S. amateur golf champion and Spartan James Piot when he visited us earlier this year. Women's basketball coach Suzy Merchant achieved her 300th win at MSU and the women's soccer team had a great season with their new coach. And for the fourth consecutive year, MSU established an all-time high four-year Federal Graduation Rate, now 80 percent, for our student-athletes. We gratefully received our largest single cash commitment ever this year from Broad College of Business alumnus and former basketball team member Mat Ishbia. His \$32 million commitment will help us expand our football training facilities and student-athlete career development services. And today the board will be asked to consider resolutions advancing a new fitness center and recreational fields, part of our increased efforts to support student health and wellness.

All these examples provide just a glimpse of the year's accomplishments, and I look forward to next year and many more of them. Those include continuing conversations based on integrating ethics more thoroughly into MSU's curriculum, research, and culture, following a well-attended ethics symposium in October. And we look forward to the formal opening of the Facility for Rare Isotope Beams next spring. MSU was awarded the project in 2008 from the U.S. Department of Energy Office of Science.

FRIB will create hundreds of jobs and accommodate hundreds of visiting scientists every year while enabling discoveries and applications in key areas such as

nuclear astrophysics, medicine, and homeland security. We will welcome new and returning students to spring semester once again with safety uppermost in mind and our COVID-19 protocols in place. With a campus vaccination rate above 91 percent and additional people working toward full vaccination, we hope to have a great platform to continue safely living, learning, and working together. This week we expanded COVID-19 testing services for the campus and greater communities at Spartan Stadium. And we will continue to monitor public health, executive orders and guidance from the CDC and health authorities. With the omicron variant now in Michigan and almost certainly on campus, I continue to urge everyone who can to get a booster, and to also get an annual flu shot and to mask indoors, to protect themselves, their families and others and significantly ease the burden on Michigan's over-stressed hospitals.

As I think about our future here at MSU, I am looking forward to increased excellence and impact and fully implementing the work of MSU's 2030 strategic plan. I look forward to demonstrating our leadership and our successes in addressing some of the world's most challenging problems through our extraordinary research and our applied solutions. I want to again thank everyone who helped position Michigan State for such a promising year ahead.

And I will conclude with wishing everyone a happy holiday season and a bright, fulfilling new year. Thank you.

5. Gift, Grant, and Contract

Vice President Doug Gage presented the Gifts, Grants and Contracts Report for the period of August 18, 2021, through November 15, 2021. The report is a compilation of 702 Gifts, Grants, and Contracts, plus 104 Consignment/Non-Cash Gifts, with a total value of \$197,332,460.

Trustee Kelly **moved to approve** the recommendation, with support from Trustee Scott.

THE BOARD VOTED to approve the recommendation.

6. Research Presentation

Vice President Gage introduced Dr. Kimberly Dodd, Associate Professor of Pathobiology and Diagnostic Investigation within the College of Veterinary Medicine, who gave a presentation entitled "The MSU Veterinary Diagnostic Library: An Emerging Leader in One Health." (Appendix A)

7. Personnel Actions

Provost Woodruff presented the following personnel actions:

Tucker, Mel, AN—Head Coach—Men’s Intercollegiate Football Team, Department of Intercollegiate Athletics, Subject to Contract, effective November 24, 2021 to January 15, 2032.

Trustee Scott **moved to approve** the recommendation, with support from Trustee O’Keefe.

THE BOARD VOTED to approve the recommendation.

8. Committee on Budget and Finance

Trustee Foster presented the Trustee Budget and Finance Committee Report and the following recommendations and resolutions.

A. Amendment to Fund Functioning as an Endowment Council of Graduate Students Fund in Support of Graduate Fellowships

The Trustee Committee on Budget and Finance recommends to the Board of Trustees an amendment to the administration of a fund functioning as an endowment in the Graduate School.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby amends the administration of the fund functioning as an endowment entitled “Council of Graduate Students Fund in Support of Graduate Fellowships.”

Trustee Foster **moved to approve** the recommendation, with support from Trustee O’Keefe.

THE BOARD VOTED to approve the recommendation.

B. External Investment Advisory Subcommittee Member Appointment

The Trustee Committee on Budget and Finance recommends that the Board of Trustees reappoint Scott Eston to the Investment Advisory Subcommittee.

BE IT RESOLVED that the Board of Trustees of Michigan State University hereby reappoints Scott Eston as an external member of the Investment Advisory Subcommittee for a three-year term commencing January 1, 2022.

Trustee Foster **moved to approve** the recommendation, with support from Trustee Kelly.

THE BOARD VOTED to approve the recommendation.

C. Bond Authorization

The Trustee Committee on Budget and Finance recommends that the Board hereby authorizes the issuance, execution, and delivery of bonds.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the issuance, execution, and delivery of the bonds, in one or more series, to be designated General Revenue Bonds, with appropriate series designations, in the aggregate original principal amount established by an Authorized Officer, but not to exceed the aggregate principal amount necessary to produce proceeds of five hundred million dollars (\$500,000,000).

Trustee Foster **moved to approve** the recommendation, with support from Trustee Byrum.

THE BOARD VOTED to approve the recommendation.

D. Authorization to Plan—Health, Wellness, and Fitness Center

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for a new recreational facility focused on student health and wellness.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled “Health, Wellness and Fitness Center.”

Trustee Foster **moved to approve** the recommendation, with support from Trustee Scott.

THE BOARD VOTED to approve the recommendation.

E. Authorization to Plan—Spartan Stadium—Facility Upgrades

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for improvements to Spartan Stadium amenities and infrastructure.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled “Spartan Stadium – Facility Upgrades.”

Trustee Foster **moved to approve** the recommendation, with support from Trustee Kelly.

THE BOARD VOTED to approve the recommendation.

- F. Authorization to Plan—MSU Museum—Infrastructure Improvements—Accreditation

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for temperature and humidity environmental controls at the MSU Museum.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled “MSU Museum – Infrastructure Accreditation Improvements - Accreditation.”

Trustee Foster **moved to approve** the recommendation, with support from Trustee Byrum.

THE BOARD VOTED to approve the recommendation.

- G. Project Approval—Authorization to Proceed—Health, Wellness, and Fitness—Service Road Recreation Turf Fields

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to proceed with construction of new recreation fields and amenities.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled “Health, Wellness and Fitness—Service Road Recreation Turf Fields” with a total project budget of \$13,000,000.

Trustee Foster **moved to approve** the recommendation, with support from Trustee Kelly.

THE BOARD VOTED to approve the recommendation.

9. Committee on Academic Affairs

Trustee Byrum presented the Trustee Academic Affairs Report and the following recommendations and resolutions.

- A. Collective Bargaining

The Trustee Committee on Academic Affairs recommends that the Board of Trustees adopt the following resolution to ensure the university’s position of neutrality on any collective bargaining activities, to be cooperative in the

determination and recognition of bargaining units, and to set notification of agreements.

BE IT RESOLVED, the Board of Trustees of Michigan State University recognizes and supports the fundamental right of its employees to form unions and bargain collectively.

Trustee Byrum **moved to approve** the recommendation, with support from Trustee Scott.

Trustee Kelly said that he has negotiated with unions for 25 years in his professional career, and he respects the right to bargain. He noted that the title of this resolution is somewhat deceiving. Trustee Kelly said that the fundamental right to bargain is a process that has developed over 75 years of case law and statute, protected by federal and state statutes, and it recognizes and protects a union's right to negotiate with the employer. He stated that this resolution changes that by stating that the university shall not express an opinion. Trustee Kelly said that he was not sure why the Board would direct the university to not express an opinion that is provided by law. He said that it also states that the university shall only provide information that corrects the union's inaccuracies and misrepresentations and that we have to wait two days before we make those corrections. Trustee Kelly said that it also states that the university shall not provide information to its employees that is allowed by law. Trustee Kelly asked why we would restrict the university from providing information to employees, who may be asking for that information. He said that we cannot provide that information, except for when it is required by law, not allowed by law. He noted that the resolution has a whole lot of problems with regards to the organization of a union on campus. Trustee Kelly said that the second part of it affects the election process. He said that we have set up a process for the election of unions and this resolution changes that, and it favors certain unions over other unions. He noted that it favors, the creation of multiple groups of unions, so we could end up with several individual groups and union groups. He noted that, all of which, the university must negotiate with every group and the group could be as small as 20 to 25 employees. He said that it makes no sense, and we are giving away our right to object that that kind of organization, not to object to the collective bargaining process, but object to some of the processes that allow this university to efficiently and affectively negotiate on behalf of the administration. Trustee Kelly said that it also chooses an arbitration process as opposed to MERC, which is the organization that is used by all public employers throughout the state, to end up with a result that is both fair for the union and the university. He said that finally, it disenfranchises employees of the university, noting that not all employees want to be unionized and this resolution significantly affects those employees who want to oppose the union, or at least have open discussions about what is

good or bad about unionizing. Trustee Kelly said that for all those reasons, he is voting “no,” reiterating that it is not an issue of trying to avoid collective bargaining. He said that the Board should not be in the middle of or weighing in one way or another in what should be fair negotiations.

Trustee Foster said that to say this Board resolution is troubling is an understatement. She said that it is the result of the MEA and AFT union leadership successfully lobbying the Democratic members of this Board. She noted that she has been on the MSU Board of Trustees for seventeen years and to her recollection, never in the past has the Board passed a resolution on bargaining rights. Trustee Foster said that she recognizes and respects the right to organize on campus by any group. In fact, when she owned and operated a commercial landscape contracting company, it was signatory to three unions. Trustee Foster said that the resolution puts a muzzle on the administration, noting that the union can make any false or inaccurate claims it wants to and MSU cannot respond to such falsifications or inaccuracies for two days. She said that, in effect, it strips management’s rights to tell the truth and to distribute factual information in a timely manner. She questioned if this follows the new strategic plan. She questioned if not allowing all voices to be heard but instead suppressing free speech on a college campus is transparent. She asked her colleagues why the existing rules do not work and why must we tilt the table against the university? Trustee Foster said that senior management, including our President and General Counsel, have voiced their concerns over this resolution. She asked her colleagues how does this advance the interest of Michigan State University? She reminded everyone that Michigan is a freedom to work state and that workers have the freedom to choose whether or not to join the union and they will not lose their job if they choose not to join. Trustee Foster said that she watched the signing of that bill on the lawn of the state Capitol on a blustery December day nine years ago, surrounded by a hostile crowd and that she will continue to fight the fight for its legitimate enforcement. She asked her colleagues to not let partisan politics hijack this board to the detriment of this institution and asked that they reconsider the resolution.

Trustee O’Keefe said that the Democrat members of the Board are proposing a resolution to further special interests against the well-being of the university and against the financial interests of the university. He said that in discussions on the resolution yesterday, not one person who is supporting the resolution could describe how it helped the administration run the university. He said that they could not discuss how it helped to lower the cost of education to Michigan taxpayers and Michigan students or could describe how the support of this resolution complied with their duties under the Trustee Code of Ethics and Conflict of Interest. He said that not one could have an intelligent discussion on how handicapping the university to respond to employees’ legitimate questions on union organizing was in the

best interest of the employees and the administration. Trustee O'Keefe said that these same Trustees have a specific duty to place the university's interests ahead of private interests and to exercise their powers and duties in the best interest of the university. He said that when reminded of this, the response was that maybe we should change those duties in our Code of Ethics. Trustee O'Keefe said that he guessed that they are inconvenient and stated that these Trustees have failed miserably and openly. Trustee O'Keefe said that the Michigan taxpayer has a choice every two years to get the representation that watches their checkbook and to pay attention to the high cost of education and those that benefit from it.

Chairperson Byrum said that she can fully appreciate that the Republican colleagues of the Board are in disagreement this resolution, but that does not change the fact that the Committee on Academic Affairs brought this to the Board because we do think it is in the best interest of the university to be able to have our employees to be able to collectively bargain. She said that it is widely known that MERC is a bureaucratic and cumbersome process that does not work well when it comes to employee representation, so yes, we are making changes. Chairperson Byrum said that the 75-year labor law is in desperate need of revision, but that is not something we can do here at this Board meeting. She said that what we can do is provide alternative processes for our employees to be able to collectively bargain. So instead of going through the MERC process, we will be doing something called a card check. Chairperson Byrum said that the standard, the threshold, is higher on a card check than it would be for MERC, but what is significantly different is, it takes less time. She said that instead of years, you can probably get it done in a matter of a year. Chairperson Byrum said that under the card check, you would have cards or petitions that an employee would sign and that would in effect be their vote for a union. It would take fifty percent plus one for that union to go into effect. She said that under the MERC process, you would have petitions, it would take 30 percent of the faculty, or whatever group was being unionized, to call for an election and then it would be a simple majority of those who showed up in voting. She said that you could have a small fraction that would determine whether that unit would be unionized. Chairperson Byrum said that under the card check it takes fifty percent plus one of the total members, so this is different. She also pointed out that this is in alignment what another research university in this state that has been using for the last two years. Chairperson Byrum said that it is not unprecedented, and you could even argue that this has more elements of the way union contracts would be bargained and be instituted into the future. Chairperson Byrum said that there is a philosophical disagreement on this Board and that she understands and respects that.

Trustee Scott said that this will significantly expedite the process, which is something that is important to those who will be members of those unions. She noted that the card check system is not new and has been used since the National Labor Standards Act was established. She said that this gives university staff a voice and an opportunity to be heard. She said that she wholeheartedly supports this and understands that sometimes there are differences of opinion.

Trustee Tebay said that this is an opportunity for people to have a voice. She said that she has a fiduciary responsibility to not only the administration, but to the faculty, staff, and students also. Trustee Tebay said that this is one of those times when the administration may not agree with the decision we are making, but it is being asked of us by our constituents.

Trustee Vassar said that she appreciates differences of opinions with civility but takes exception to a conversation that took place in a closed meeting being brought forward and mischaracterized. She said that we do need to disagree respectfully and to be careful in the way in which you talk about your relationship with the Board. Trustee Vassar noted that to say that we did not have an intelligent conversation or that we could not have an intelligent conversation is problematic. She said that she fully supports the resolution and will vote affirmatively.

Roll Call Vote:

Trustee Byrum—yes
Trustee Foster—no
Trustee Knake Jefferson—yes
Trustee Kelly—no
Trustee O’Keefe—no
Trustee Scott—yes
Trustee Tebay—yes
Trustee Vassar—yes

THE BOARD VOTED to approve the recommendation.

10. Committee on Audit, Risk, and Compliance

Trustee Kelly presented the Trustee Audit, Risk, and Compliance Committee Report and the following recommendations and resolutions.

A. Approval of Contract Terms

The Trustee Committee on Audit, Risk, and Compliance recommends that the Board of Trustees approve a contract between Michigan State

University and *Moonsail North LLC*, a Michigan limited liability company, in which MSU faculty member Roselyn Tantraphol holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a consulting agreement with *Moonsail North LLC* consistent with a “Consulting Agreement Term Sheet” presented to the Board for inclusion in its minutes. (Appendix B)

The Trustee Committee on Audit, Risk, and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *EeroQ Corporation*, a Delaware corporation, in which MSU faculty member Dr. Johannes Pollanen holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *EeroQ Corporation*, consistent with earlier public notice and with a “Sponsored Research Agreement Term Sheet” presented to the Board for inclusion in its minutes. (Appendix C)

The Trustee Committee on Audit, Risk, and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Scarlet Spartan Solutions LLC*, a Michigan limited liability company, in which MSU research associate Justin Scott holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a consulting agreement with *Scarlet Spartan Solutions LLC*, consistent with earlier public notice and with a “Consulting Agreement Term Sheet” presented to the Board for inclusion in its minutes. (Appendix D)

The Trustee Committee on Audit, Risk, and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Nordisch LLC*, a Wisconsin limited liability company, in which MSU faculty member Dr. Roozbeh Dargazany holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a cost share agreement with *Nordisch LLC* consistent with a “Cost Share Agreement Term Sheet” presented to the Board for inclusion in its minutes. (Appendix E)

Trustee Kelly **moved to approve** the recommendations, with support from Trustee Byrum.

THE BOARD VOTED to approve the recommendations.

B. Notice of Intent to Negotiate Contracts

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk, and Compliance is requested to give public notice of the University's intent to negotiate contracts with *Portera Therapeutics, Inc.*, a Delaware c-corporation. Dr. Jetze Tepe, Professor of Chemistry, College of Natural Science owns or has options to buy an ownership interest of more than one percent of the company.

11. Committee on Student Life and Culture

Trustee Scott presented the Trustee Student Life and Culture Committee Report.

The Board received an update on the RVSM Support More Campaign from Dr. Rebecca Campbell.

12. Liaisons' Report, Chairperson's Report and Trustee Comments

Dr. Karen Kelly-Blake, faculty liaison, provided the following report to the Board:

Good morning, the Faculty Senate welcomes the opportunity to give remarks. First, we would like to note we have some concern about the collective bargaining resolution not being made available to the public. We want to thank first Trustee Knake Jefferson for reaching out to engage with us, seek information, and receive feedback about the caregiving concerns of university employees. We look forward to working on behalf of all within the MSU community on a university wide caregiving initiative. We applaud the new Spartan Stadium COVID testing site, we celebrate the progress made by the discipline sanctions and review task force, who, as Chair Byrum just stated, the recommendations were endorsed unanimously by the University Committee on Faculty Affairs, University Committee on Faculty Tenure, and Faculty Senate. We know we have the capacity to work well together. We each have our roles. The Faculty Senate role is to deliberate and communicate its position to the Administration, make recommendations, offer advice, and speak on behalf of faculty. I am here to do that today. To make decisions we need data, we need diversity of thoughts and perspective. We need to understand the landscape at 30,000 feet and at ground level. When we do not adhere to these tenants, decisions are made without a full view of their consequences. Such a lack of diversity of thought and perspective endanger the future welfare of the university and looks like decisions don't happen systematically, that decisions are made outside of open meetings without deliberation and counter to prescribed methods. For example, at the last board meeting, we received a statement regarding the President's review, but criteria that made him the second highest paid President in the Big Ten were not shared. The late breaking two percent

general raise for the faculty were neither discussed nor the financial consequences deliberated with faculty representatives. While the \$1,500 employee recognition bonus is welcomed, as an acknowledgement of the dedication and commitment of all MSU employees, the bonuses are cold comfort compared to the loss of retirement benefits beginning for support staff next month, and the thousands of dollars in lost salary and retirement benefits suffered by faculty and academic staff. University Council was not consulted on the potential implications of a decision to provide \$27 million in bonuses to employees and not restore the salaries and benefits of those who had already suffered reduction. We could have shared the data we offered yesterday demonstrating the real-world consequences of these losses relative to the bonuses for faculty and potentially developed a more equitable approach to reward while also minimizing harm. The Ethical Investments Tax Force resolution is not being discussed in this meeting today, because it was decided outside of this open meeting to not discuss it. The University Steering Committee that I run is not required to have open meetings, yet still publishes its agenda, considers items, and keeps a record of votes. Many of the most consequential executive positions in the university have been created and are fielded without steady consultation or search. The President may ultimately choose whomever they want for a position. However, without a search, you limit opportunities for other candidates to compete, segmenting the stratified culture that MSU has suffered for decades. Equity and inclusion apply to all of us. How can we as an institution proclaim that DEI is a fundamental value, now codified in the President endorsed Strategic Plan when executive hires are approved without an open search, engaging in such a process? Not just for some positions, but for all positions, increases the likelihood that MSU can achieve some of these DEI strategic planning goals. By choosing not to do so, the DEI Strategic Plan is put in jeopardy. MSU must choose to be a beacon for equity. Our interests are aligned. We all want MSU to be the best university to work and learn. We seek and welcome the opportunity to strengthen our partnership to deliberate with you and both advise you and listen to your advice. We must reconsider the way our institutional decisions are made. Let us end the theater of these meetings and make them to be the deliberative decision-making form they were meant to be.

Trustee Byrum thanked Dr. Kelly-Blake and said that it was important to note that the President's evaluation was part of a change to Board policy last year and demonstrates transparency. Trustee Byrum said that the Board believed that it was not being transparent enough with regards to the President's salary. She noted that the bonus written into the contract was removed as it was ambiguous and not transparent. Trustee Byrum said that she wanted to make that clarification and that she appreciates the faculty liaison comments and the working relationship between the liaisons and the Board.

Kaitlyn Bolton, student liaison, provided the following report to the Board:

Good morning. Faculty, thank you so much for your dedication to us students throughout this entire semester. Today I am joined by ASMSU President Georgia Frost and COG's President Sarah Hugentobler. COGS, at its last final council meeting, passed Resolution 21FS19 to advocate for the hiring of a full-time employee for undocumented student affairs. This resolution implores the university to hire a full-time employee to aid in the recruitment support of undocumented DACA and vulnerable immigrant students. This resolution comes on the heels of similar bills passed by ASMSU and the faculty senate from ASMSU. Yesterday, Georgia Frost, ASMSU President, brought information to the Board on the campus student campaign to reinstate S and NS grading. This campaign calls for MSU to award S/NS retroactively for the Fall 2021 and Spring 2022. Nikunj Agarwal, the International Students Association President and the Chair of the University Committee on Student Affairs, started a petition that has been widely shared across the university in favor of the reinstatement of the S/NS option. Nikunj's petition has gotten approximately 7000 signatures, and this number continues to rise by the day. Many students cite the fact that COVID-19 has still not gone away, and that Michigan has experienced a rise in cases as of late. Student leaders' conversations with their constituencies have reflected the same concerns and the same requests. Accordingly, ASMSU passed Bill 5845, a resolution to advocate for the reintroduction of the S/NS system for Fall 2021 and Spring 2022. ASMSU plans to use its membership on the University Committee for Undergraduate Education to pursue next steps on this initiative. Today ASMSU would like to reconfirm its support for the battle for Spartan Swim and Dive team and to call on the Board, President Stanley, and AD Haller and to respond to Spartan community members when we attempt to communicate on the matter. This is the best way the university can listen to new ideas, find clear solutions, honor community opinions regarding reinstatement, and a way forward for the hurting community. A true commitment to this will improve the lost trust and ensure we are finding a way forward that highlights the importance of consolation and shows our students, staff, and community members that when they speak it matters. At ASMSU's last general assembly meeting ASMSU elected new Vice President for Governmental Affairs Ishan Muni. Georgia is very excited to have Ishan on her core team represent ASMSU to local, state, and federal actors. Also, at ASMSU's last general assembly meeting 12 bills were passed, most notably among these ASMSU's financial allocations to MSU SafePlace, the Center for Survivors Emergency Fund, and to send multicultural Greek Council and National Panhellenic Council members to the Association of Fraternal Leadership and Values Conference. ASMSU passed bills to advocate for the reintroduction of the S/NS system for Fall 2021 and Spring 2022, for credit/no credit reform, for free menstrual products in all East Lansing public restrooms, for a base increase in the State of Michigan appropriations to Michigan State University and a lower tuition cap, and to provide the emergency contraceptive pills in the neighborhood clinics. ASMSU also sponsored select legislation to send the Association of Big Ten Students

Winter Conference where ASMSU will attempt to pass legislation through the co-governing responsibility of all Big Ten students. The passage of these bills means that ASMSU has passed 45 bills this semester, and ASMSU has advocated for hundreds of other pieces of legislation from our standing policy. Georgia is deeply proud of the hundreds of students who make up ASMSU and the thousands of hours each semester they put to work on behalf of students. Georgia encourages all university partners to read the ASMSU Fall Semester report, which will be released next Monday, written by the Office of the President. Georgia also wishes everyone Happy Holidays. This past month RHA attended the regional conference. Here we placed a bid for recognition of MSU having the Student of the Year, Arashveen Rathod, who is currently the Director of Media Entertainment. He asked me to plug the Come to CCC (Campus Center Cinemas) movies. I am pleased to announce that we did win this bid. In addition, two others and myself on the team gave educational sessions about the importance of networking while recognizing your own implicit biases and the cause and effects of burnout and ways to prevent it. This won the title of being the Best Educational Session of the entire conference. In addition, MSU was recognized as the most spirited school in our region and received an award for our Roll Call video. RHA was able to have one last general assembly meeting and Hall Government's Black Queer Caucuses, Residential Caucuses and our CORES and COPS members were able to attend. Unlike other organizations RHA has a high turnover of representatives. Students are fully involved in our organization. They are spending their money to make MSU a better place to call home and every week we are able to create an atmosphere where students are able to share their problems, thoughts, and opinions without a second thought or any fear whatsoever. I am grateful and beyond blessed to stand here today with full confidence that this semester I am able to document to you what our students' problems are. I am excited to announce that we were able to pass three pieces of legislation pioneered by our constituents. First, a bill that calls for more sharp's containers on campus and a map that clearly shows where each of them are. This was written by Representative Downs from the Council of Students with Disabilities and Representative Sutton from Transcend. Secondly, a bill to increase the lighting and safety on campus. This was written by Representative Nadeem from the Muslim Students Association and Representative Hong from the Asian Pacific American Student Organization. They have asked me to bring this to you today to take time to work with REHS and RHS on doing everything we can to make this campus feel safe no matter what time of day or where you are. Lastly, a bill was passed that pulled \$20,000 from a few of our budgets and allocated towards the Gender & Sexuality Campus Center. This was written by our Vice President Belle Letcher and Representative Statin from Transcend with contributors from Cameron Lok McCree, who is a student leader. The space is going through a complete renovation that allows for better air quality, a more welcoming atmosphere and projects that will allow for these students to meet in a safe place. RHA specifically wants to thank the

REHS and RHS team for standing with us. They have been providing the same amount of care and dedication from when we had 1,500 students on campus to 15,000 students on campus. Thank you for working with us to make MSU feel like an actual home for all students. Students have also asked me to reiterate to the Board, President Stanley, and all administration to continue with the transition from COVID-19 remote learning to in-person. Students have been grateful to be back in person for game days, eating in the dining halls, working inside of social spaces like the MSU union, sleeping in their dorms, and yes, even in the classroom and taking in-person exams. On many occasions, students have promised that they will do everything they can to continue these experiences. Yesterday we discussed several key items with the Board, including ASMSU's bill for S/NS options, a greater need for mental health resources, as the resources for students are at or near capacity, particularly during the stressful process of advancing schooling. In addition to facing these challenges during the global pandemic, and discussion on plans for the Spring Semester during the COVID variant. After this conversation we look forward earnestly to the follow up from these matters and that several trustees have indicated that they will engage with. As always, Georgia, myself, and Sarah along with Myesha, who was not able to be here today, are available to respond and promote student concerns and we welcome engagement from the Board, administration, faculty, and most importantly students. Thank you all for your work that you have done this year, and we wish you safety and health during the holidays.

Chairperson Byrum thanked those who participated in the public participation today. She stated the Board very much appreciates hearing from them. She specifically thanked Julia for sharing and noted that the Board takes very seriously sexual assault RVSM issues. Chairperson Byrum noted that President Stanley talked about it in the Strategic Plan and that yesterday, the Board toured the Sexual Assault Health Program. She noted how far the program has come over the last four years and that it is a beacon for what other universities and higher education should be looking at doing. Chairperson Byrum said that this weekend is Fall Commencement and she extended congratulations to all students graduating. Chairperson Byrum said that going into this year, the Board of Trustees passed the University Strategic Plan, of which student success was a core value, and she is happy to report that MSU's graduation rate increased again this year, for seven years in a row. She said that MSU is now at 82.1 percent but that we can do better. Chairperson Byrum said that with the scale and scope of this university with the number of students, this is significant that we have made progress for seven consecutive years. She congratulated the 139 student athletes who received the Academic All Big Ten, including 11 who had a 4.0 GPA, the most at any school in the conference. Chairperson Byrum congratulated Marshal Scholar Andrew MacDonald, Computer Science major in the College of Engineering and Advanced Mathematics and Statistics major in the College of Natural Science. She recognized the Board of Trustees

Scholarship winners for having the highest cumulative GPA and receiving a \$1,000 scholarship from the Board of Trustees. Chairperson Byrum noted that each one of the 38 recipients have demonstrated outstanding determination and most importantly, resilience during what has been yet another year like no other. She wished them the best in their future endeavors and that they now join a network of more than 500,000 Spartan alumni. She said that she recently had the opportunity to attend virtually and provide the welcoming remarks at the Age Alive Ceremony. She noted that it has been in existence for five years and that the mission is connecting MSU and the community to support and enhance research education and services related to aging. Chairperson Byrum said that they have a town and gown weekly lecture series of relevant topics in today's society, an ambassador map where they connect with students and community on all levels for whatever you need, a spring forum, and an annual award ceremony. She stated that this year the Legacy Award was given to Dr. William Anderson, a pioneer in osteopathic medicine and a surgeon for many years in Detroit, and now an advisor to the Dean of the College of Osteopathic Medicine. Chairperson Byrum also noted that he was a pioneer in the civil rights movement and that the William Anderson Lecture Series from slavery to freedom is awesome in design. Chairperson Byrum said that this is the last Board meeting for the year, and she wanted to take a moment to thank everyone who makes MSU such a great place. She acknowledged that the last few years have been very difficult but, as we heard from President Stanley's report, much was accomplished this year, and much is in front of us next year. Chairperson Byrum stated that on behalf of the board, we want everyone to know that we appreciate each one of you and to thank you. She thanked her colleagues and noted how much she has appreciated working with them over the last year. Chairperson Byrum wished everyone happy holidays, Merry Christmas, and a Happy New Year. She wished everyone health and happiness into the coming year. She stated that as she closed her remarks that she wanted to switch gears a little bit to athletics because after all, it is the end of the year we have an upcoming bowl game. She noted that Susie Merchant had a milestone this year and congratulated her and the Lady Spartans. Chairperson Byrum said that Kenneth Walker III received two major recognitions, the Walter Camp National Player of the Year, and the Doug Walker award. She noted that he is the first MSU player to receive both of those awards and that we will miss him, but we wish him great success and will be following his career. She said that the Spartans are going to one of the New Year's six bowls, the Peach Bowl, on December 30, and she wished the team great success. Go Green!

Vice Chairperson Kelly commented regarding a neighboring community of his in Oakland Township, Oxford. He said that he wanted to open this holiday season by expressing his prayers and thoughts for all the families that are suffering. Vice Chairperson Kelly said that he has been in Oxford quite a bit in the last couple of weeks and there has been a devastating impact on the entire

community and region. He congratulated Coach Tucker, who did a very nice thing for Oxford High School by releasing a video. Vice Chairperson Kelly said that Coach Tucker represents MSU very well in the community. He said that he saw the pain on Ms. Lower's face and that he put three daughters through MSU. He noted that while his daughters did not have the same experience, the pain on her face has affected him and he hopes that she understands that the Board is trying and that he will never forget what happened four years ago.

Trustee Foster recognized the Board of Trustees' Scholarship award recipients. She said that it is encouraging that the numbers seem to just go up every year, which is amazing, and that she is hopeful that the in-person recognition can return next year. Trustee Foster also recognized the men's water polo national championship team on that accomplishment, no small task. She shared a report from 2019-20 regarding faculty salaries and how low they compare at Michigan State University. She said that MSU ranked tenth in the Big Ten, but when adjusted for cost of living based on the community, MSU ranked fifth in the Big Ten. Trustee Foster stated that Chairperson Byrum was honored as one of Crain's 2021 100 Most Influential Women in Michigan, noting that the award is only given once every five years. She said that five of Chairperson Byrum's colleagues joined her in Detroit last month at the ceremony and she presented her with a framed photo and note of thanks from the Spartan Community for all her work as chair the Michigan State University Board of Trustees and for all that she has done for the State of Michigan.

Trustee O'Keefe said that he was sorry for Ms. Lower's pain and that he is sorry for the amount of anguish that caused her to be a champion today for those who have been so inflicted without resolution. He recognized who he believed to be her parents there with her and said that as a father to a daughter and five granddaughters, he can only try to imagine not only her pain for the incident, but the University's response or lack thereof. Trustee O'Keefe said that there is no excuse for that as a Board member and that he knows he speaks for all the Board members. He stated that he can only vow that we can, and we will be better. Trustee O'Keefe recognized Lisa Frace stating that the proposed financing for the century bond is innovative, necessary, cost efficient, and is going to put MSU in a whole separate category in terms of advancing research, faculty advancement, and a whole host of things that further Michigan State University and, you know, money is the fuel of that engine. Trustee O'Keefe thanked Scott Eston for his thoughtfulness and influence over investment strategies, noting that his results with the total team are unprecedented and have put us in a much better position in a very short amount of time, which really nobody expected. He said that he is happy that his term has been extended. Trustee O'Keefe recognized Tate Myre as the first Spartan Dawg for the recruiting class of 2022 and I extended his deepest sympathies to all the Oxford families who lost loved ones, Tate, included in there. He noted that the

loss will be recognized in his prayers over the holiday season and as Trustee Kelly mentioned, a tremendous tragedy for that community. Trustee O'Keefe recognized the great achievement of Kenneth Walker in winning both the Walter Camp as the best college football player and the Doak Walker award as the best running back. He said that Kenneth is a fine example of great achievement that comes with positive enthusiasm and playing a game you clearly love. He recalled him at the end of the Penn State making snow angels and throwing snowballs on the football field noting that he is clearly a gentleman who enjoys playing football and putting on a Spartan uniform. He said that it is his sincere hope that he never loses that love, and that you will be extremely successful in the next chapter of your career. Trustee O'Keefe wished everyone a Merry Christmas and happy holidays. He thanked his fellow Board members for fellowship and collegiality and noted that it has been great to know Dr. Stanley and his Administration, and he has enjoyed his deep friendships on the Board. He wished everyone health and happiness in the New Year.

Trustee Scott said that she was disheartened to hear Ms. Lower's experiences and that she showed extreme bravery to come forward and tell her story. She said that while she does not know the facts of what happened, she would love to have the opportunity to learn more so that the Board can learn from her experience. Trustee Scott said that she is so sorry that they had to go through this experience and that she is going to be praying for you all. She said that she hopes that they understand that the Trustees are very serious and are doing everything they can to make this process better for our future claimants and will continue to work towards being the best that we can be and make the process less stressful and less traumatic for those that must endure it. Trustee Scott congratulated the water polo team, noting that she has never really been a fan of water polo until now. Trustee Scott said that the Trustees had the opportunity to tour the Sexual Assault Healthcare Program, noting how the facility is well thought out and respectful to the process. She thanked those that are providing the counseling, providing nursing services, everyone that has poured themselves into that program, all the thoughtfulness that it took to make it what it is. It is incredible. Trustee Scott congratulated the Board of Trustees' Scholarship awardees and Marshall Scholar. She also recognized how exciting it is that MSU is going to a NY6 Bowl. She said that she is proud of the team and the accomplishments coach Tucker, noting that he is the Big Ten Coach of the Year. Trustee Scott noted the overwhelming impact the tragedy at Oxford has had across the state with schools at every level and that she is heartbroken for those that have lost their loved ones and those traumatized by being in that high school and the experiences that happened on that day. She extended her condolences to the victims. Trustee Scott said that she has enjoyed serving with her colleagues and thanked them for the positivity that they bring and respect between them. She thanked the administration and President Stanley and

wished everyone a very Merry Christmas, Happy New Year, Happy Kwanzaa, and Happy Hanukkah. Go Green!

Trustee Tebay thanked the public speakers and said that she was going to review the Firearms Policy on campus. She said that she appreciated the tenacity of the swim and dive supporters. Trustee Tebay thanked Ms. Lower for the courage that she showed in coming and talking to the Board and noted that she had failed her. Trustee Tebay apologized and said that no student should have to live in fear on campus.

Trustee Vassar thanked Trustee Tebay for addressing Ms. Dombrowski and agreed that there is reform that is necessary in terms of violence, but also believes that there is the larger picture in the hope of education. Trustee Vassar said that as a lifelong educator she believes in education, public education, as both the cause and the cure for all things that are awesome and terrible in our society. Trustee Vassar said that she does believe that MSU can be the cure for all, the elixir for most of what we believe our social ills, including gun violence and sexual violence. She said that she is reflecting on her first year on the Board and she is thinking about all the voices that she has heard and all that she has not. She encouraged people to come to the Board with issues and noted that the Trustees cannot address issues that they are not aware of. Trustee Vassar thanked the Swim and Dive supporters for their persistence. She noted that as she completes the year that she is honored to be on the Board and that she was chosen to serve. She stated that she is appreciative of all her colleagues and of all the people that she has met this year. Trustee Vassar encouraged everyone to rest, relax, rejuvenate, and restore. She suggested that everyone revel in the many small and big wins that are both our collective and individual experiences this year. Go Green!

13. Request to Adjourn

On a motion by Trustee O'Keefe, supported by Trustee Vassar, **THE BOARD VOTED to adjourn** at 10:10 a.m.

Respectfully submitted,



Brian Quinn
Acting Secretary of the Board of Trustees

MICHIGAN STATE UNIVERSITY
VETERINARY DIAGNOSTIC LABORATORY:

EMERGING LEADER IN ONE HEALTH



MICHIGAN STATE UNIVERSITY

**VETERINARY DIAGNOSTIC
LABORATORY**

Kimberly Dodd, DVM, MS, PhD
Director, MSU VDL
MSU Board of Trustees Meeting
December 17, 2021



BA, Psychology
MS, Disease Ecology



UC DAVIS
VETERINARY MEDICINE

DVM/PhD,
Comparative Pathology



Guest Researcher
Vaccine Development
Immuno-pathogenesis



Senior Scientist
International capacity strengthening,
gov't & nongov't stakeholders



Director,
International Reference Laboratory



Protect. Investigate. Educate. Collaborate.



MICHIGAN STATE UNIVERSITY

**VETERINARY DIAGNOSTIC
LABORATORY**



**The MSU
VDL serves
clients
throughout
Michigan.**



**The MSU VDL
has clients in
all 50 states
and U.S.
territories.**



**The MSU VDL
has clients in
more than 25
foreign
countries.**

thyroid coronavirus influenza lymphoma leptospirosis cancer melanoma

brucella progesterone testosterone deltacoronavirus urinalysis tuberculosis cremation

insulin lyme aldosterone nutrients

fiv parvovirus margins

ehrlichia bvd vitamins distemper culture campylobacter

johne's eia cortisol monitoring mycoplasma toxoplasma

calcium eee antibodies babesia

coronavirus biopsy cytology cwd genetics

flv flv listeria toxins anaplasma clostridium blv gastrin necropsy

anticoagulants

fungus

minerals coagulation metabolic susceptibility



Biosafety Level 3

SARS-CoV-2

West Nile virus

virulent Newcastle disease

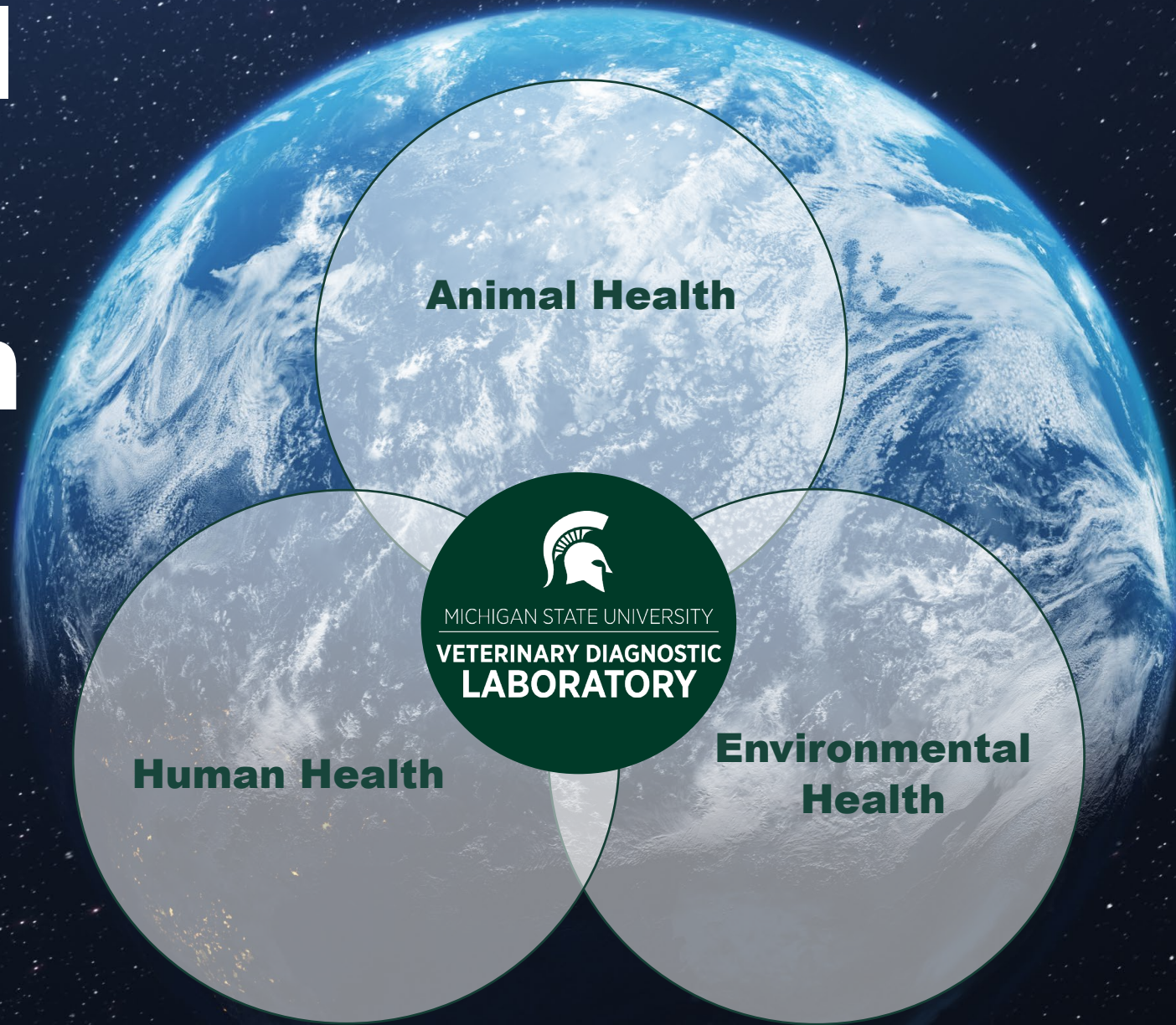
Bovine tuberculosis

Chronic wasting disease

Foot and mouth disease

African swine fever

Global One Health



Complex challenges, *interdisciplinary* solutions

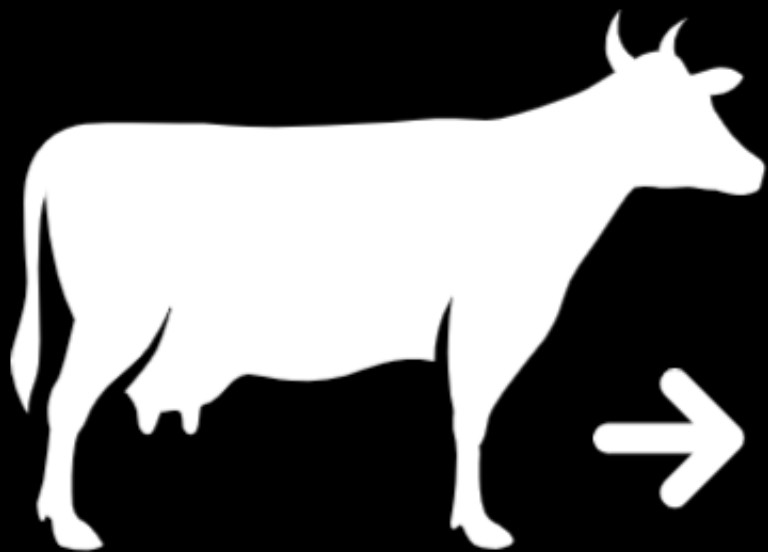
YESTERDAY'S DIAGNOSTICS: DISEASE-SPECIFIC TESTS



MICHIGAN STATE UNIVERSITY
VETERINARY DIAGNOSTIC
LABORATORY



TODAY'S DIAGNOSTICS: ONE TEST, MULTIPLE ANALYSES



MICHIGAN STATE UNIVERSITY
VETERINARY DIAGNOSTIC
LABORATORY

TOMORROW'S DIAGNOSTICS: ONE TEST, REAL-TIME ANALYSIS



MICHIGAN STATE UNIVERSITY
VETERINARY DIAGNOSTIC
LABORATORY



machine
learning



TOMORROW'S DIAGNOSTICS: DISEASE AGNOSTIC



MICHIGAN STATE UNIVERSITY
VETERINARY DIAGNOSTIC
LABORATORY



machine
learning



Detect known pathogens

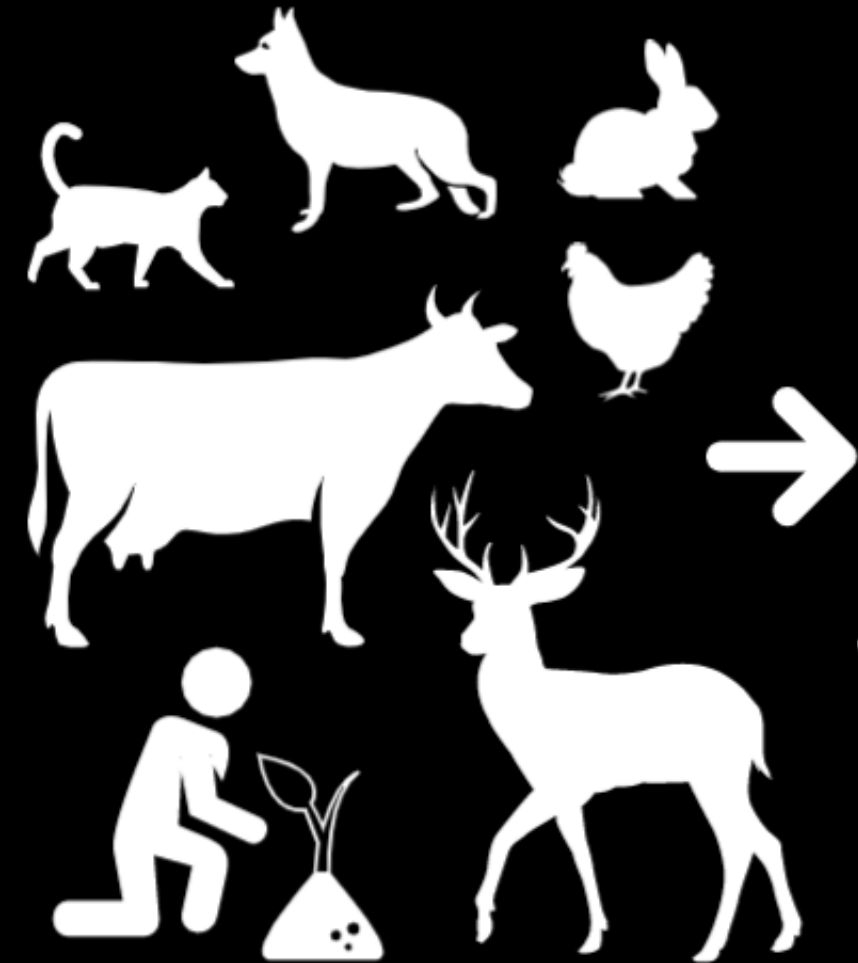
Identify "Disease X"

Genetic disease

Antimicrobial resistance

Cancer diagnosis and prognosis

TOMORROW'S DIAGNOSTICS: TRULY ONE HEALTH



MICHIGAN STATE UNIVERSITY
VETERINARY DIAGNOSTIC
LABORATORY



machine
learning



Detect known pathogens

Identify "Disease X"

Genetic disease

Antimicrobial resistance

Cancer diagnosis and prognosis

**Zoonotic
disease**

**Plant and
soil health**

**Environmental
contamination**

**Food safety
and food
security**

**MSU
VDL**

**Clinical
medicine**

Cancer

**Vector-borne
disease**

**Antimicrobial
resistance**

**Agricultural
production**

Endocrinology

Thank you!



MSU Veterinary Diagnostic Laboratory
112 - 115

Please let us scan your badge.
Each visitor has a chance to win.

Get \$75 in free diagnostic testing!
Offer applies to new and existing MSU VDL accounts and will be issued as a statement credit.



Approval of Contract Terms, *Moonsail North LLC*

December 17, 2021

Page 2

CONSULTING AGREEMENT TERM SHEET

Party:	Moonsail North LLC
Project Description:	Collaborate with the MSU College of Osteopathic Medicine on social media strategy and other strategic communication services
Term:	Six months; with the option to renew the agreement for two additional six-month periods
Payment Terms:	Up to \$63,000 per six-month term
Services Provided:	By MSU to Moonsail North: None By Moonsail North to MSU: Work with the College of Osteopathic Medicine communications staff to plan and conduct social media campaigns; development stories to be published in newsletters and social media; consulting on communication strategies; other marketing and PR projects as agreed upon
Use of University Facilities/ Personnel:	None.
Organization Type:	Moonsail North LLC, a Michigan limited liability company
Personnel Interest:	Ms. Roselyn Tantraphol, a fixed-term faculty member in the Department of Advertising and Public Relations in the College of Communication Arts and Sciences, is a principal of <i>Moonsail North LLC</i> .

Approval of Contract Terms, *EeroQ Corporation*

December 17, 2021

Page 2

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party:	EeroQ Corporation
Project Description:	Phase 5: On-chip charge sensor for single electron detection
Term:	January 2021 – June 2022
Payment Terms:	\$50,000 to MSU to fund the research
Services Provided:	By MSU to EeroQ Corporation: continued work toward development of a sensor By EeroQ Corporation to MSU: None contemplated under this agreement
Use of University Facilities/Personnel:	Keck Microfabrication Facility at MSU in East Lansing
Organization Type:	State of Delaware, C-Corporation
Personnel Interest:	Johannes Pollanen, a Jerry Cowen Chair of Experimental Physics and Assistant Professor in the Department of Physics and Astronomy, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

Approval of Contract Terms, *Scarlet Spartan Solutions LLC*

December 17, 2021

Page 2

CONSULTING AGREEMENT TERM SHEET

Party:	Scarlet Spartan Solutions LLC
Consulting Agreement:	Agreement to provide the College of Osteopathic Medicine with student hospital placement ranking and histogram services; deliverables will include analysis of ranking and placements of students at hospitals and clinical rotations
Term:	Through 2022 Spring Semester
Payment Terms:	Up to \$9000, based on student placement and additional criteria
Services Provided:	By MSU to Scarlet Spartan Solutions: None By Scarlet Spartan Solutions to MSU: Student hospital placement ranking and histogram services
Use of University Facilities/Personnel:	None
Organization Type:	Michigan limited liability company
Personnel Interest:	Justin Scott, a research associate in Mechanical Engineering, has an ownership interest in the company

Approval of Contract Terms, *Nordisch LLC*

December 17, 2021

Page 2

COST SHARE AGREEMENT TERM SHEET

Party: Nordisch LLC

Agreement: Federal Cost Share Subagreement from MSU to Nordisch

Term: 12/1/2021 to 11/30/2023

Payment Terms: No cost to MSU; Nordisch will be funding a portion of the research under the terms of the Department of Energy award to MSU

Services Provided: By MSU to Nordisch LLC: None under the cost share agreement

By Nordisch LLC to MSU: Nordisch will support certain project tasks associated with the award

Use of University Facilities/ Personnel: Work is to be performed at the Engineering Research Building

Organization Type: Wisconsin limited liability company

Personnel Interest: Dr. Roozbeh Dargazany, Associate Professor of Civil & Environmental Engineering, College of Engineering and his family own or have options to buy an ownership interest of more than 1% of the company.