

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

April 21, 2023

Interim president Woodruff called the meeting of the Board of Trustees to order at 9:07 a.m.

Trustees present: Dennis Denno, Dan Kelly (via Zoom), Sandy Pierce, Brianna Scott (in person and via Zoom), Kelly Tebay (via Zoom), and Rema Vassar.

Trustees absent: Dianne Byrum and Renee Knake Jefferson.

University officers present: Interim President Woodruff, Interim Provost and Executive Vice President Jeitschko; Executive Vice Presidents Beauchamp and Woo; Senior Vice Presidents Gore and Wilbur; Vice President and General Counsel Quinn; Secretary Fletcher; Vice Presidents Brogdon, Bollman, Gage, Guerrant, Swain, and Tobin. Faculty liaisons present: Karen Kelly Blake, Stephanie Anthony, Jamie Alan, and d 'Ann deSimone. Student liaisons present: Emily Gomez, Jo Kovach, and Belle Letcher.

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

1. On a motion by Trustee Scott, supported by Trustee Denno, the **BOARD VOTED to approve the proposed agenda.**
2. On a motion by Trustee Pierce, supported by Trustee Denno, **the BOARD VOTED to approve** the minutes of the February 10, 2023, Board of Trustees meeting.
3. President's Report

Interim President Woodruff provided the following report to the Board:

This morning we meet in public session for the first time since the violence that gripped our campus community on Feb. 13. The university continues to offer counseling services to students, faculty, and staff so that no Spartan need walk alone. And I want everyone attending today to know that counselors are available on the third floor in conference rooms 309B and 337, should anyone wish to seek support during or immediately after this morning's meeting. Now, I want to call for a pause for a moment of silence to acknowledge the three students who were lost that night to their families, friends, and the Spartan community: Brian Fraser, Alexandria Verner, and Arielle Anderson. Thank you. And let us keep in our hearts the five students who were hospitalized and who face, in some cases, profound

continued health struggles. We also recognize the significant effect this violence has had on many other directly and indirectly impacted students, faculty, staff, alumni and family and our community. I know many experience ongoing stress and trauma. Grief is a profoundly personal process. As we work through our own feelings in our own time frames, we can be here for one another, drawn together as Spartans. I want to thank those present in that terrible moment who bravely responded to aid our students and this campus, and to the police, dispatchers, and other first responders who responded to the call. The university has moved promptly to enhance safety and security while balancing our role as a very public place. These actions include changes in facility access, door locks, and our security camera network. We adopted a more robust leadership structure for our Department of Police and Public Safety, separating the role of vice president from the chief of police. Most recently, we contracted with a specialist firm to conduct an outside, after-action review of the university's response, and we created an Office for Resource and Support Coordination to better support the students and families directly affected, as well as the larger university community. And we are working out how best to provide active violence training to students and employees. Our university community responded very quickly, also, to begin the healing and recovery from our collective trauma. The provost's office worked with colleges to ease students' immediate academic burdens, where possible. I am grateful to the faculty members and academic staff who modified their classes to support their students. Undergraduates were offered the option to take this semester's courses on a credit/no credit basis. The arts, too, have stepped into the breach to facilitate healing among our campus community. The Wharton Center offered free tickets to students for several performances and programs, and the lovely paper butterfly exhibit installed last month at the International Center also became a place for healing. We will observe moments of silence at our spring graduation ceremonies and will confer on Brian, Alexandria, and Arielle honorary MSU degrees, certifying their enduring membership in the Spartan family.

Now, I want to highlight examples of excellence in our academic and athletic programs, discuss sustainability and RVSM actions we have taken, and conclude with some words about MSU's commitment to diversity, equity, and inclusion. I am very much looking forward to our commencement ceremonies in just two weeks! We have a wonderful slate of honorary degree recipients addressing graduates at our three commencement programs: Jill Hruby is undersecretary for nuclear security for the U.S. Department of Energy and administrator of the National Nuclear Security Administration. Dr. Anthony Fauci is the former chief medical adviser to the president and past director of the National Institute of Allergy and Infectious Diseases. And our own Professor Lisa Cook is a noted economist and the first Black woman to serve on the Federal Reserve Board of Governors. As we bid goodbye to some 9,500 spring graduates at all levels, we said hello last Saturday to several thousand admitted students visiting campus with their families. I love playing the role of recruiter-in-chief and meeting families of incoming and prospective students at Admitted Students Day. Of course, it is hard to compete

with Tom Izzo in the recruiting game, but it was fun to share the floor with him at the Breslin Center pep rally before the Spartan Football Kickoff.

Kudos to our MSU debate program, which sent teams to the National Debate Tournament for the 27th consecutive year. One of their squads advanced to the Sweet 16 round to record MSU's best showing there since 2017. We also celebrated our 53rd Goldwater Scholar this season with the selection of Honors College junior Victoria Fex for this nationally competitive program. The Goldwater Scholarship Program seeks sophomores and juniors committed to a STEM career with intellectual intensity, and Victoria is pursuing a major in neuroscience. And congratulations to the 25 exceptional undergraduate and graduate students and alumni selected for the National Science Foundation Graduate Research Fellowship Program, along with eight honorable mentions. This is the country's oldest graduate fellowship program, supporting those in NSF-supported STEM disciplines pursuing research-based master's and doctoral degrees. Great students need, and deserve, great instructors and mentors, and I think it is important to highlight the world-class teaching that supports our students. I was thrilled to present environmental engineering professor Susan Masten with this year's President's Teaching Award. Her exceptional service extends beyond the classroom to communities in Michigan and beyond. We make these presentations fun every year by surprising the faculty member during one of their classes and including their students.

And what a season Coach Izzo and his student-athletes had, ultimately stepping out of The Big Dance in the East Regional Semifinal game with a Sweet 16 overtime thriller. We had a couple of seniors place very highly this season on the other side of the basketball, as referees in the NIRSA Championship Series for collegiate recreational sports in Maryland. Accounting major Seth Somers placed in the top 20 among officials and finance major Jack O'Brien ranked in the top nine, earning him NIRSA All-American honors. Congratulations, too, to the women of Spartan Gymnastics, who capped their season with a third-place finish at the NCAA Regional Final earlier this month. In their second consecutive appearance in the regional final, they tied their fourth-best overall score in program history! We saw another milestone set this month with head baseball coach Jake Boss Jr.'s 400th win at MSU. I am sorry he couldn't be at Old College Field for that home stand, but flooding moved the game to Jackson Field, and we are grateful to the Lansing Lugnuts for opening it up to us. We welcomed a new head coach to Spartan Athletics: Robyn Fralick, who grew up in this community, and is the women's basketball program's sixth head coach. She comes to us from Bowling Green, where she built a winning program for the Falcons. And while we celebrate academic achievement as the semester winds down, I want to say how wonderful it was this month to participate in our annual Academic Excellence Gala. We saluted 350 high-performing student-athletes this year who excelled both on the field of competition and in the classroom.

Tomorrow is Earth Day. Today, I remember how MSU professor, George Wallace, inspired and informed Rachel Carson's 1962 environmental blockbuster "Silent Spring" with his investigation of pesticide impacts on bird life here in our own community. In that spirit, I would note that over 500 of our tenure-track faculty today are engaged in sustainability research. And we aim to practice what we preach as a university, in part by cutting our greenhouse gas emissions by 50% from our 2010 baseline, as the 2030 strategic plan specifies. Along those lines, MSU's work to replace our infrastructure with more energy-efficient equipment and fixtures paid a bonus to us recently with the largest green rebates yet from Consumers Energy. Installation last year of a new, efficient boiler at the power plant, new lighting and other campus upgrades merited rebates of \$1.5 million this year from Consumers. Those emissions improvements alone are calculated to equal the impact of removing 1,100 vehicles from our roads annually. To help us reach our sustainability goals, I am very pleased to welcome Chip Amoe as MSU's new director of sustainability, and I thank Melissa Woo for her leadership in this domain. He was recommended following his selection in an inclusive search process, and I look forward to working with Chip as we continue our long-running work to "Be Spartan Green."

Another important position we are close to filling is that of the vice president for civil rights and Title IX education and compliance. Our search committee, which includes undergraduate and graduate students, hosted the two finalists for public presentations last week, and I look forward to being able to announce a final selection. The work to improve approaches to prevention and response to relationship violence and sexual misconduct is never-ending. I am proud of our progress in addressing the more than 150 requirements asked of MSU in our consent agreements with federal agencies. Since 2019 we added more than 35 staff positions in the Center for Survivors, Counseling and Psychiatric Services, Police and Public Safety, Office for Civil Rights and Title IX Education and Compliance, and the Office of Audit, Risk and Compliance. We conducted two Know More Campus Surveys focused on the culture, perceptions, and policies associated here with sexual misconduct. And we created the Center for Survivors Crisis Chat to support survivors, their friends, and families. We gained momentum in 2020 when MSU launched the Sexual Assault Health Care Program with free 24/7 first-response medical care to survivors, the first such program we are aware of on a college campus. We updated RVSM and Title IX policies, including clear definitions of prohibited conduct, in alignment with community expectations and Title IX. We established a victim-centered, trauma-informed interview space for law enforcement. And we established the Climate Response unit in the Prevention, Outreach, and Engagement Department. Progress continued in 2021, when MSU created the MSUPD Community Support Bureau, including the Special Victim and Community Care Units led by Deputy Chief Andrea Munford, and a police social worker was also added in 2022. We updated our policy to allow revocation of emeritum status, which has allowed for revocation from several faculty members, and we amended the Faculty Handbook to allow revocation of honors and awards in cases of misconduct. We launched an undergraduate student advisory council

within POE. And we expanded the Campus Sexual Assault Response Team. Last year, we piloted a 24-hour Sexual Assault Advocacy Response Program for our campus neighborhoods. We updated the Discipline and Dismissal of Tenured Faculty for Cause Policy to outline a standard timeline and add transparency and consistency. We launched the Support More Initiative to provide guidance for how to responsibly respond to disclosures. And we expanded MSU Safe Place staff with federal funding. We also completed two rounds of Cozen O'Connor reports, recognizing continued investment in resources toward Title IX and related compliance. Now, we are developing a new professional standards policy with academic governance to outline expectations for faculty and academic staff. We are creating trainings for academic unit administrators. And we are exploring faculty hiring policies requiring candidates to disclose misconduct investigations. These are in tandem with our federal Title IX regulations and those recommendations in the Q-E report. I am happy with our progress but not satisfied, and I look forward to continuing with all of you in MSU's journey toward responsible conduct and aligned policy. Policies and procedures are just one part of our work. Conduct becoming a great university and discernment in the application of those policies in the best interests of the students in whose interests we serve is our ongoing duty.

Another ongoing way we work to make MSU a safe and welcoming place is our recognition throughout the year of months honoring parts of our diverse community. Last month, our Asian Pacific American Student Organization celebrated its 40th anniversary at the Wharton Center. This month, MSU continues APIDA Heritage Month to recognize our Asian Pacific Islander Desi American community and its multicultural diversity. The month's events culminate tomorrow with a banquet sponsored by APASO and APIDA, which also recognizes this year's attending graduates. Congratulations to all! And it was good to read in Vice President and Chief Diversity Officer Jabbar Bennett's annual DEI report that the 270-plus action items from the DEI Steering Report and Plan are complete or in progress. We also have a new honor to acknowledge and celebrate in this area: Trustee Sandy Pierce was named a Michigan Diversity Council 2023 Woman of the Year awardee for her leadership in helping many "rise in resilience." Congratulations, Trustee Pierce!

We will make the university's commitment to diversity, equity, and inclusion a literally concrete reality when we come together later today to break ground on MSU's first free-standing Multicultural Center. I hope everyone can join us at the corner of Farm and Shaw lanes for the ceremony. This comes just a day after we celebrated the ribbon-cutting for the expansion of our School of Packaging facility. We are proud of our top-ranked packaging program and grateful to the donors and stakeholders who partnered with us to support the expansion.

I want to conclude with some thank-you's to several of our student and faculty representatives to the Board of Trustees. First, to Jo Kovach and Belle Letcher for their leadership on behalf of MSU's nearly 40,000 undergraduate students and its

15,000 students living on campus this academic year. Thank you so much for your leadership. And to faculty representatives Karen Kelly-Blake and Stephanie Anthony, who are leaving their Academic Governance positions after this year: Thank you for your service to your fellow faculty members and to the Board and me. I wish all of you the best for what comes next. And with that, let's turn to the rest of today's agenda.

4. Gift, Grant, and Contracts Report

Vice President Doug Gage presented the Gifts, Grants and Contracts Report for the period of January 12, 2023, through March 22, 2023. The report is a compilation of 476 Gifts, Grants and Contracts plus 14 Consignment/Non-Cash Gifts, with a total value of \$113,219,350.

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

THE BOARD VOTED to approve the recommendation.

5. Research Presentation

Vice President Gage introduced Dr. Meghan Hill, Ph.D. Candidate, Department of Biomedical Engineering, who gave a presentation on "Engineered Nanoparticles for Effective Brain Cancer Detection and Treatment." (Appendix A)

6. Personnel Actions

Interim Provost Jeitschko presented the following personnel actions:

Danielle K. Brown, Ph.D.—AY, Associate Professor, School of Journalism, with tenure, effective August 16, 2023.

David M. Markowitz, Ph.D.—AY, Associate Professor, College of Communication Arts & Sciences, with tenure, effective August 16, 2023.

Olorunseun O. Ogunwobi, Ph.D.—AY, MSU Barnett Rosenberg Professor, Department of Biochemistry & Molecular Biology, with tenure, effective August 16, 2023.

Interim Provost Jeitschko presented the following other appointments:

Robyn Fralick—AN, Head Coach—Women's Basketball, Department of Intercollegiate Athletics, Subject to Contract, effective April 4, 2023, to June 30, 2029.

Douglas A. Freeman Jr., DVM, MS, Ph.D.—AN, Interim Dean, College of Veterinary Medicine, effective April 15, 2023.

Interim Provost Jeitschko presented the following other personnel actions:

It is recommended that the title of Senior Associate Provost be changed to Senior Vice Provost and that all applicable policy documents be revised to reflect change in title, effective April 21, 2023.

It is recommended that the title of Vice President for Public Safety and Chief of Police be changed to Vice President and Chief Safety Officer and that all applicable policy documents be revised to reflect the new title change, effective March 20, 2023.

Marlon Lynch—AN, Vice President for Public Safety for a title change to Vice President and Chief Safety Officer, effective March 20, 2023

Trustee Pierce **moved to approve** the recommendations, with support from Trustee Denno.

THE BOARD VOTED to approve the recommendations.

7. Committee on Budget and Finance

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

A. Fund Functioning as an Endowment—Fredrick S. and Marilyn Marshall Addy Distinguished Chair in Economics

The Trustee Committee on Budget and Finance recommends that the Board of Trustees establish a fund functioning as an endowment to provide financial support for a faculty chair position in the Department of Economics.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby establishes a fund functioning as an endowment entitled "Frederick S. and Marilyn Marshall Addy Distinguished Chair in Economics."

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

THE BOARD VOTED to approve the recommendation.

B. 2023-24 Housing and Dining Rate Recommendations

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to implement academic year 2023-24 room and board rates.

BE IT RESOLVED that the Board of Trustees of Michigan State University hereby adopts the basic residence hall double room and board rate of \$11,754 for first-year residents who select the silver unlimited meal plan for the 2023-24 academic year and adopts the basic residence hall double room and board rate of \$10,990 for second-year residents who select the silver unlimited meal plan for the 2023-24 academic year.

BE IT FURTHER RESOLVED that the Board of Trustees of Michigan State University hereby adopts a 5% rate increase for 1855 Place and University Village apartments, and a 3% increase for Spartan Village apartments for the 2023-24 academic year.

Trustee Vassar **moved to approve** the recommendation, with support from Trustee Pierce.

THE BOARD VOTED to approve the recommendation.

C. Authorization to Issue Bonds

The Trustee Committee on Budget and Finance recommends that the Board hereby authorizes the issuance, execution, and delivery of one or more series of General Revenue Bonds.

BE IT RESOLVED that the Board of Trustees hereby authorizes the issuance, execution, and delivery of one or more series of General Revenue Bonds. The bond Resolution gives authority to Authorized Officers of the University to incur new debt, refund any outstanding debt, and pay related costs. The new debt is expected to provide up to \$38 million for funding the Multicultural Center construction.

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

THE BOARD VOTED to approve the recommendation.

D. Reauthorization for Standby Line of Credit

The Trustee Committee on Budget & Finance recommends that the Board hereby authorizes the establishment of one or more Lines of Credit, on a revolving loan basis, for the purpose of maintaining the required cash

reserves of the University and providing necessary funds to meet extraordinary cash flow needs.

BE IT RESOLVED that the Board of Trustees authorizes the establishment of one or more Lines of Credit, on a revolving loan basis, for the purpose of maintaining the required cash reserves of the University and providing necessary funds to meet extraordinary cash flow needs. The aggregate maximum principal amount of borrowings permitted to be outstanding at any time under the Lines of Credit authorized by this Resolution shall not exceed \$75,000,000.

Trustee Vassar **moved to approve** the recommendation, with support from Trustee Pierce.

THE BOARD VOTED to approve the recommendation.

E. HCI Loan Agreement

The Trustee Committee on Budget & Finance recommends that the Authorized Officers, or either of them individually, are hereby authorized to negotiate the terms of and to execute and deliver, in the name of the Board and its corporate act and deed, the Term Loan Agreement.

BE IT RESOLVED that the Board of Trustees authorizes the Authorized Officers, or either of them individually, are hereby authorized to negotiate the terms of and to execute and deliver, in the name of the Board and its corporate act and deed, the Term Loan Agreement. The Term Loan Agreement shall contain such terms, conditions, and covenants of MSU Health as an Authorized Officer deems appropriate and as shall be approved by the Office of the General Counsel.

Trustee Vassar **moved to approve** the recommendation, with support from Trustee Denno.

THE BOARD VOTED to approve the recommendation.

F. Authorization to Plan—Health Education Building

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for a new inter-professional center to support health science disciplines and other undergraduate and continuing education programs.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "Health Education Building."

Trustee Vassar **moved to approve** the recommendation, with support from Trustee Denno.

THE BOARD VOTED to approve the recommendation.

G. Authorization to Proceed—Chemistry Building – Laboratory Upgrades

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to proceed with renovation of laboratories in the Chemistry Building.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorize the Administration to proceed with the project entitled "Chemistry Building—Laboratory Upgrades," with a project budget of \$11,600,000.

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

THE BOARD VOTED to approve the recommendation.

H. Authorization to Proceed—Chemistry Building – Laboratory Upgrades FRIB Radiochemistry

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to proceed with renovation of laboratories in the Chemistry Building.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorize the Administration to proceed with the project entitled "Chemistry Building—Laboratory Upgrades FRIB Radiochemistry," with a project budget of \$12,400,000.

Trustee Vassar **moved to approve** the recommendation, with support from Trustee Denno.

THE BOARD VOTED to approve the recommendation.

8. Committee on Academic Affairs

Trustee Denno presented the Trustee Academic Affairs Committee Report.

The Committee on Academic Affairs received an Update on admissions and the tuition promise programs from Interim Provost Jeitschko. Executive Vice President

Norm Beauchamp provided an update on Sparrow Hospital and Medical School match results.

9. 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 Great Lakes Crystal Technologies Inc. (GLCT), a Delaware corporation, in which MSU faculty member Timothy Grotjohn holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an exclusive license agreement with Great Lakes Crystal Technologies Inc., consistent with earlier public notice and with a License 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 Great Lakes Crystal Technologies Inc., a Delaware corporation, in which MSU faculty Timothy Grotjohn holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a service agreement with Great Lakes Crystal Technologies Inc. (GLCT), consistent with earlier public notice and with a Service 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 KOPESS AgTech, LLC, a Michigan LLC, in which MSU Professor Kyung-Hwan Han and his family hold a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an option agreement with KOPESS AgTech, LLC, consistent with earlier public notice and with the Option 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 KOPESS Biomass Solutions, a Michigan LLC, in which MSU Professor Kyung-Hwan Han and his family hold a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an option agreement with KOPESS Biomass Solutions, consistent with earlier public notice and with an Option 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 Denno.

THE BOARD VOTED to approve the recommendations.

B. Committee Update

The Committee on Audit, Risk, and Compliance received update from Marlon Lynch, Marilyn Tarrant, and Sarah Harebo.

10. Committee on Student Life and Culture

Trustee Tebay presented the Student Life and Culture Committee Report and the following recommendations and resolutions.

Thank you, President Woodruff. I am coming to you live from the Fisher Building in Detroit. I'm so sorry I couldn't be there today. But my day job called for this meeting today. The Committee on Student Life and Culture reviewed the Committee Charter, and we discussed ways to focus on the various elements of the student experience in the, in its upcoming conversations over the course of the coming year. So hopefully we will have a new charter by the June meeting, and we'll continue to find innovative ways to learn about the things that students are doing on campus. That concludes my report.

11. Public Participation

1. Mason Vore—Campus gun Violence, campus Firearms Policy
2. Cate Dombrowski—Changing MSU Firearms Policy
3. Dennis Strahle—Eagle Township property for sale
4. Valerie von Frank—Responsibility and accountability
5. Ted Golden—Another look at the scandal
6. Nancy Vella—Quinn Emanuel Report
7. Houston Striggow—Dismissal of Sanjay Gupta as Dean of Eli Broad College of Business
8. Kim Popovits—Broad Leadership and QE report
9. Michael Balow—Athletics issues at MSU

10. Kayla Williams—Swimming and Diving
11. Mindy Arbaugh—Reinstatement of Swimming and Diving
12. Brian Turnbull—Recreational sports facilities
13. Sam Stefanek—New recreation center
14. Anthony Novara—Board’s due process
15. Chandler Jones—Facilities for students
16. Alec McAree—Due and fair process
17. Val Krikor—Divestment
18. Joe Garza—Support staff compensation

Trustee Scott departed the meeting and joined via Zoom.

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

Carly Gomez, student liaison, provided the following report.

Good morning I'm here on behalf of President Hannah Jeffrey from COGS to deliver the address from the Graduate Students Council. Good morning, the Council of Graduate Students recently said farewell to its graduating executive board members and the full council members. We will miss them, but we also thank them for all the great work they have done for COGS. At our last full council meeting of the year last Wednesday, COGS elected our new Vice President of Internal Affairs, Director of Equity and Antidiscrimination, Director of Event Planning, Parliamentarian, and the Medical School liaison. We are very grateful to have a full executive board once again this year. We also heard presentations from three external speakers, including the Board of Trustees own Trustee Kelly Tebay and the University Ombudsperson Dr. Shannon Lynn Burton. During this time, the students asked good questions about future of university and their rights as a student. We thank them for taking the time to be there. We also invited all COGS representatives to attend a listening session with the search committee tasked with finding the next president of the MSU. This will take place on April 26, from 3 to 4pm on Zoom. In preparation for the event, we have sent out surveys asking representatives who cannot attend for any feedback they have about the process. We hope that as many representatives will participate as possible to make the broader graduate student voices heard and understood. The leaders of COGS will continue to work with graduate students, MSU administration, MSU faculty, and other interest groups throughout the summer to ensure the solutions to the challenges they face regarding DEI and RVSM policies are found. Issues that have been brought to us include DEI issue wherein a graduate student felt targeted by anti LGBTQ2+ statements posted by MSU faculty on social media. Regarding RVSM, COGS continue to work with MSU Administration and policy to understand how to best serve the survivors of MSU and Nassar. Lastly, we are addressing the concerns that have raised arisen from graduate students about them not being able to finish their graduate studies in timely manner due to interruptions that have happened during their time here such as COVID and the February 13 shootings. The fact that graduate students consistently found themselves being unable to

apply for time off due to mental health concerns recently is just one example of how they have been underserved in the times of crisis. Leading to a prolonging of the education and research. We believe that the new Office for Resource and Support Coordination could offer these students solutions to their unjust troubles if the office employees are aware of their situation. Thank you for your time today.

Belle Letcher, student liaison, provided the following report.

Hello, everyone, I'm Belle Letcher. I am the president of RHA, MSU's Residence Hall Association. I represent all the students on campus in our residence halls. First, I want to congratulate our new president elect Taylor Sutton. They could not be here tonight, but I'm very, very excited to see what they do next year, and they will be taking my place in the June meeting. Secondly, and lastly, I don't have a lot to say. I want to discuss once again the second year live on requirement. It is no secret that it is wildly unpopular with the student body. And frankly, it just doesn't make much sense. It's something that looked great on paper, but we now have the evidence that it hasn't worked at all. It simply doesn't make sense that we have a huge body of upperclassmen who want to live on campus, and a huge number of underclassmen who want to live off campus. And so, everyone loses. On top of that it is a Spartan's right to spend four years on this campus, and it's really, really sad to see that go. This semester, we had to turn away freshmen from living on campus because there is no space left. And so, freshmen who arrived this spring, were forced to live off campus, which is the exact opposite of what this policy set out to do. It was a great idea. It wasn't great in practice. We tried, it failed, it's time to repeal it. Thank you.

Jo Kovach, student liaison, provided the following report.

Hey, y'all. It should surprise no one that unlike Belle, I have a lot to say. So, hello, everyone, for those who don't know me, and for the last time in this space, my name is Jo Kovach, and I'm the current ASMSU and undergraduate student body president. However, the 60th session of our general assembly has spent the past three nights until around 2am in the Student Services Building every night electing our new office of the president. So first, I'm going to have Emily Hoyumpa stand up. Let me introduce you to our 60th session Student Body President, Emily Hoyumpa. Emily's a junior studying social relations and policy who's been in ASMSU her entire undergraduate career spending this past year as our Associate Vice President for Internal Administration, as the treasurer of the Asian Pacific American student organization, and as the Executive Director of the Association of Big 10 Students. I'm more than excited to see all that I know that she and the rest of the 60th session office of the president are going to do this year. All right to finish out my time as a student liaison, here are my last updates and tidbits for the board, many of which are pretty heavy. To begin, at our last meeting of the 59th session General Assembly, we passed 30 pieces of legislation, one of which was Bill 59100 to allocate \$10,000 to the creation of a memorial bench for those we lost on February 13. We understand that the university is looking into, thank you,

looking into larger memorialization efforts but we're grateful to the university for working with us to create a space for students to continue to mourn that was created by students. Our hope is that students can create their own traditions at this bench to forever honor Brian, Arielle, and Alex. My hope is that Arielle, Alex, and Brian never just become names or simply moments of silence. They were Spartans who shared this home with us, we went to classes with, and we were in clubs with and whose presence will forever be felt here and by all Spartans affected on February 13. To continue with the heaviness, April is Sexual Assault Awareness Month, ASMSU passed bill 5990 recognizing as such just a couple of weeks ago. Let me begin here by saying Deans should absolutely be held to a higher standard. If my entire organization of undergraduate students understands how to and consistently mandatory reports issues we hear about no matter if we know someone else already has, a dean should absolutely be doing the same. We stand with Interim President Woodruff's decision and seeing and writing many of the recommendations to our policies that survivors have been asking for for years for \$1.6 million feels like a slap in the face. Further, it is far too noticeable that there's something absent from this agenda that would allow survivors to heal and even just begin to receive the closure this university owes them. I'm disappointed in this board for not voting to release the 6,000 documents related to the Larry Nassar case. This board wants to show actual support for survivors. Thank you. If this board wants to show actual support for survivors and steps in transparency, then take a public vote on this matter. You're in an elected position, make decisions in public where your constituents can see them. My hope for this board going forward is an openness to engage with students in a more proactive way. We hope for a CORES and COPS student liaison seat to the board. We hope for liaison seats on board committees. We hope for engagement on the reintroduction of Spartan Swim and Dive. We hope for an aquatic center built with the new IM building, and we hope for better communication between the students and the board as we go forward with more searches for leadership. Listen to us. We're here every single day. We know the issues and we want to work with you all as well as our administrators to fix them. Oh, also a 7% increase in room and board rates without a subsequent increase in student employment wages is incredibly inhumane. And finally, I have spent this entire year reacting to everything happening at this university, and this has been one hell of a year reacting. Student leaders, including myself, take on these positions because of how much we care about our fellow students. I've had the immense privilege of being able to represent 40,000 amazing undergraduate Spartans this year, along with my fellow office of the president, including my amazing Vice President for Academic Affairs, Aaron Iturralde, who has spent the past two years and countless hours being one of the best advocates for students that I've ever seen. At this meeting last year, my predecessor, Georgia Frost introduced me to you all for the first time and ended her report by stating that she looked forward to closing out her term and being able to be just Georgia. And in a similar vein, and although I've loved every moment with my wonderful Spartans, I'm looking forward to graduating in just 15 days and being just Jo with a heart that will forever be in East Lansing no matter where I go. Forever and always, Go green.

Karen Kelly-Blake, faculty liaison, provided the following report.

Good morning. First, I want to wish our Muslim and Muslim American neighbors and friends a happy Eid Al-Fitr. I hope I pronounced that correctly. With the presidential search now underway with advertised community listening sessions, I hope that you all will try to attend at least one of the sessions and if possible, more than one. Although understanding that multiple constituencies are vying for seats on the search committee, the faculty are the largest and a possible three to four slots is too few and not proportional to past search committees. I urge you to include as many faculty as last time, which was six. We have solicited volunteers and received 82 stellar applications. Faculty have stepped up to participate in this most important task and they are outstanding. The faculty on the Steering Committee are reviewing those applications next week and providing the slate of nominees we have recommended represent this large constituency. This is a low hanging fruit opportunity, and it would instill confidence and engender trust in the search process for you to give extra weight to and to prioritize the names faculty put forward. I appreciate that the trustees followed through on their commitment to release the Quinn Emanuel report. Although the investigation and the way it was conducted remain concerning, the report confirms what was already clear. A Dean, an at will employee, violated the policy, was asked to resign, and resigned. Spending millions of dollars \$1.6 million plus whatever else was spent in the last three months investigating and at will employee's resignation and damaging the university's reputation is inconsistent with the trustees' fiduciary duty. As always, the goal of our shared work moving forward is to serve the best interests of MSU and the report's policy recommendations will be given consideration. As a university, we must ensure that our policies are sound and reflective of our values, and that those entrusted with leadership positions not only follow those policies, like mandatory reporting, but exhibit good judgment. Chairperson Jamie Alan, for the University Committee on Faculty Affairs, submitted the faculty raised recommendation to the Faculty Senate on Tuesday, April 18. UCFA has issued a clear, thoughtful, and evidence-based rationale for the faculty raise. Recruitment, retention, and equity are key considerations. The 23-24 Housing and Dining rate recommendation is a 6.95% increase due to inflation. Historically, raises have been approved to account for inflation and last year's raise, the largest since 1988, is appreciated, but inflation remains high and affects all MSU employees. When inflation is high, it makes sense to increase salaries. It is imperative for MSU employees to receive fair and equitable compensation for the incredible work they do at this great institution. We all receive a green and white paycheck and should be compensated appropriately. Our co-workers, as reported by Joe Garza, are indeed earning a 5% general wage increase by coming to work and doing their jobs every day. Providing fair compensation aligns with our strategic goals across several domains and it is the path forward to continued greatness. Vice Chair Anthony and my term ends in August, and I have chosen not to run for a second term. To the faculty, we thank you. Shared governance matters and it is vital to higher education. We have been doing the hard, the good, and the necessary work

for the betterment of this great university. To our fellow Michiganders, MSU employees and students are doing excellent work, as evidenced by what we heard on the President's Report, as evidenced by the presentation by Meghan Hill, as evidenced by what EVP's Beauchamp shared with us about the preparation we do for health professional students in the state. Please encourage your legislators to give our great institution the funding we need by increasing our state appropriations. This is the first meeting after the shooting, and to the Michigan legislature, we want to thank you for passing, and you Governor Whitmer for signing, into law the recent gun legislation. Our work continues as we focus on building access, other campus safety improvements, and community wellbeing. We have been committed to robust academic governance. To President Woodruff and Provost Jeitschko, we have all worked in a swirl of difficulties to achieve some incredibly positive outcomes for this university but there is much work to be done. Thank you both for your partnership and your active engagement with shared governance. You not only stated that you valued shared governance, but you acted upon those stated values. To Jo Kovach and Aaron Iturralde, leadership of ASMSU a public letter of recommendation. You all have been remarkable, courageous leaders and invaluable partners to us in this work of shared governance. You have been thoughtful, compassionate, and passionate in support of students and the best interests of this university. You will now graduate and go on to make MSU even prouder than we already are. We appreciate your incredible service. We thank the board for the steps you have taken on professional development. Vice Chair Anthony was the one who pushed forward that resolution in the Faculty Senate, we issued that resolution for this action, and you are following through. We look forward to more as you determine your core guiding principles, and we accept your assurances that the public will see tangible results from your development activities. Lastly, we are in this together. We have different perspectives and experiences, and we need to work through issues collaboratively within the framework of academic governance. I have said it before and I will repeat it here, academic governance is a verb. It is the work we do. Let us do the work. Thank you.

Chairperson Vassar provided the following remarks.

Thank you, Dr. Karen Kelly Blake, and thank you Stephanie Anthony for your service. I do want to just raise what I raised yesterday, the fact that you too, are pioneers in many ways to African American women serving as co-chairs has never happened. Also, the fact that you are not on the tenure track that you are literally representing the whole university, as the liaisons is really unprecedented, and pioneering and congratulations on your award from the BFSAA for being a pioneer. Thank you for your work. So, the first part of my remarks is around the scholarship award recipients. This semester, a record breaking 206 graduating students were recognized by the Michigan State University Board of Trustees for achieving the highest scholastic average of 4.0 GPA. Each semester students graduating with the 4.0 are presented with the Board of Trustees award for their academic excellence. I'm still looking for the names but they're not showing up. So eventually,

okay, here we go. I'm looking. Additionally, each awardee will be acknowledged during their individual commencement ceremonies in May and will receive a \$1,000 stipend from the University in recognition of their accomplishment. As we take a minute to scroll through the names on the screen, please commend their academic achievement. They've worked hard. This particular class has gone through myriad changes, struggles and have triumphed and so I just want to take a moment to give them a hand clap, as they scroll through the names. I'm honored to congratulate these students on their hard work and dedication and wish them success with their future endeavors. A lot has happened. I think that March made me feel like it should be November like it's, I don't even know what's happening. It's gone by so fast. I'm gonna highlight a couple of noteworthy events that I attended. There were so many activities that I'm sure I'm missing. Really awesome activities on this campus but I'll tell you about the ones that I was able to attend. The Crains News Maker event, we have an alumnus, Mat Ishbia, that I want to congratulate. He was named the Crains Newsmaker of the Year, which is a big honor. He's been a staunch financial supporter of our esteemed institution and a devoted protege of Coach Izzo. He is a proud Spartan, who bleeds green and white, and we're proud to call him our own. The next event was in Detroit, as well, MSU in the 313, and it was on 3/13, which I thought was awesome. On March 13, I attended that event where more than 200 Detroiters gathered to celebrate fellow Spartans and business leaders who've been named among the Detroit 500 by D Business, which is a real magazine that I had no knowledge of before this event, so it was a spectacular. Interim President Woodruff and Patti Glaza, MSU alum and Vice President of Invest Detroit Ventures, a big influence in Detroit right now in terms of the resurgence of Detroit, shared some of our outstanding initiatives and community partnerships that are fueling our renaissance in Detroit, namely, MSU's Burgess Institute for Entrepreneurship and Innovation, which, since starting in 2016, has supported students who have developed 700 startups and raised \$57.9 million to fund their ventures and keep building. That's a big deal. As well as MSU's 30-year partnership with Henry Ford Health and recently announced new community development in Detroit's new center neighborhood, a project sponsored by MSU Henry Ford Health and Tom Gores of the Detroit Pistons. The project will turn the neighborhood into a vibrant community with residential, commercial, and retail in other spaces. I think the Henry Ford partnership is one that's super important for various reasons and I just want to thank you, Dr. Beauchamp for heading that work. It was a great opportunity and it prompted important discussions on how collaborations among businesses and universities can advance the region in meaningful ways and really double down on our commitment to the State of Michigan and its development. It's a pleasure. It was a pleasure to covet and nosh with remarkable Spartans, who are committed to furthering their good work in that region and to learn more about what the future of the work will take on. I also in Detroit, was able to join Broad College Interim Dean, Judith Whipple, and 120 distinguished guests at the Detroit Executive Forum, this forum featured, impressive panel of panelists of outstanding Broad College alum who share their professional journeys and experience with the audience. They were supply chain folks, and so a lot of the things that you talked about Vennie,

around eggs, they were able to explain why we weren't able to get eggs on time and what inflation has done in terms of supply chain logistics, business development, and packaging. So, it was very informative. And speaking of packaging, the School of Packaging yesterday, it was Trustee Tebay and Trustee Scott, and I were able to attend the School of Packaging building ribbon cutting event, and those renovations are actually beautiful. It's not a regular building. It's gorgeous. And I want to thank again, the donors for their investments in one of the country's leading packaging programs. I believe it's the only one with a Ph.D. in the country. So, they're doing big things. And this expansion will provide students with innovative spaces for learning and collaboration. The Feeding the First Responders project that Trustee Denno headed up I just want to recognize you for your work. You and Raina, your partner, provided lunch and dinner to first responders to thank them for all that they do. This is the kind of work that I think trustees should be engaged in and since coming on the board, you've taken time to show appreciation and your effort is commended by me, but noticed by our community. So, thank you for your personal sacrifice, time, and talent. And then lastly, I do want to address February 13, and I want to on behalf of the Board of Trustees take a moment to thank everyone in our community who responded on that day and have continued to provide our Spartan family with astounding care and compassion. Last night I told MSUPD and other safety workers that our community's response to this moment reminds me of someone I quote often, Dr. Martin Luther King Jr., who I look for, in terms of an example of radical love and radical transformation and radical change and justice. I look to him for examples of how to love and one of his quotes struck me that day, darkness cannot drive out darkness, only light can do that. In over the past couple of months, Spartans time and time again have provided one another with love and empathy and in doing so you have shined a bright, green light of hope and resilience and love and grace to so many people. We have amazing first responders who selflessly rushed into action to serve and protect on the night of February 13. Health and Wellness professionals have stepped up and have offered counseling and other critical support to our students, our faculty, and staff. Who just felt moved by the caring faculty who adjusted curriculums to meet student needs. Alums and broader community have donated their time, their energy, their financial resources, and support for our collective recovery. Our outstanding student body just amazed me with their kindness. I mean, they organized so quickly, with positivity from everything from encouraging signs on campus, to the Spartan Sunday cleanup efforts, the event where people were giving out hugs and T shirts. I say all of this not just as a member of the board, in the Spartan community, but as a mother, whose daughter stayed in her apartment for four hours, I think five, sheltering in place. And just knowing that you all were here kept me from getting on the highway, knowing that she was safe in this Spartan community, kept me from driving, just to hug her. I'm so grateful to you, on so many. Please know that the board is here to support you. I promise you last week, I read through this, and I had no problems, but grief takes on so many different forms and I, I felt like you're over it and sometimes you're just not. So, all of you just take the time to do what you need to do to grieve. Take the time to feel who you are in that moment and

locate what you need for yourself and once you've done that, do that for others. We experienced this tragedy together and we will be here for one another. Please continue to give yourself grace, take care of yourselves. I'll continue to pray for us. I say their names. Alex, Arielle, Brian, and I speak peace to their families and to their friends. I'll also continue to give thanks to all of you here today and across the university. I'm grateful. And I thank you all Spartans, for the light you bring to our community, helping to drive out the darkness. I'm inspired by all of you, and grateful to be in this special community. Go Green.

Vice Chairperson Kelly provided the following remarks.

Thank you. First of all, I join with Chair Vassar with regard to the February 13 tragedy. I'd also like to just point out this is a little off script that I think the entire community has to have a significant recognition for our new chair, who in the past four months, has not only worked harder than anyone I've seen on this board, but is a great representative for this Board of Trustees. We're lucky we selected her, and I want to thank her personally. With that said there are a couple of recognitions, and I want to thank the Interim President for giving me a heads up on this. First of all, we have received a NASCAR grant, Associate Professor David Ferguson, of MSU, received his first NASCAR grant to study heat exhaustion in race car vehicles during competitions. Throughout the next year, Ferguson and his team will attend high profile NASCAR races throughout the country to collect data, and that sounds pretty exciting. With regard to faculty success, this year's recipient of the President's Distinguished Teaching Award is Susan Masten, Professor and Associate Chair for Undergraduate Studies in the Department of Civil and Environmental Engineering. The award recognizes Masten's approach to teaching, extending her knowledge beyond the classroom setting and empowering her students to be a force for change. Professor Emeritus David Arsen received the Champion of Children Award and the Michigan Association of Superintendents and Administration. The award recognizes individuals who have made significant contributions to improving the quality of education in Michigan. Farha Abbasi, Assistant Professor in the College of Osteopathic Medicine, has been named as one of the top 15 women in the nation to be honored at the Women of Frontlines, celebrating women faith leaders' celebration. That concludes my comments with regard to recognitions, and I know that it's been a long meeting. But there's some additional comments that I would like to make. These have to do in response to the Attorney General's request of April 14, last Friday, of the Board of Trustees. Earlier this week, I informed the board that I decided to recuse from the board's decision and our action with regard to the Attorney General's request. This is the first time in six plus years that I've recused from a vote and because I take it very seriously, I think there's some explanation. First, I took office on this Board of Trustees in January of 2018, approximately 14 months after Larry Nassar was arrested, terminated, and I believe jailed. I never sat on this board during any period of time that Larry Nassar was an employee of this university. Following that, within the first couple of months of my position as a trustee, I participated in and supported the board's decision to refer this matter to the Attorney General for an

investigation. As part of that investigation, I personally volunteered to submit my cell phone, telephone or laptop, emails, and this included personal, work, and MSU documents for a download and a review by a third party, which occurred, within I believe, approximately the first six months that I was on this Board of Trustees. In addition to that, I participated in a criminal investigation and interview with the Michigan State Police. I did all of that knowing fully well, that I had no documents or communications at any time, while Larry Nassar was an employee of this university. But I did so voluntarily because I believe that a full investigation of Larry Nassar was important. Within a year, I also chaired a subcommittee of the Board of Trustees, that included Nancy Schlichting, Brianna Scott, and, I believe, Brian Mosallam, whose purpose was to meet with survivor representatives to come up with a scope, a request for proposal to conduct an independent investigation of the Nassar matter. We met, myself and others, personally, with survivor representatives over the course of about four to six months. We came up with that RFP, we developed a scope, we went out for bid, we interviewed multiple law firms for the purposes of conducting the independent investigation and we came back to the board, the full board, with a recommendation to hire a law firm to conduct that investigation, as part of that work with the survivor representatives and it was not homogeneous. There are differences within the survivor's community, and I understand that, but we were working through the very issues that unfortunately, still are in front of us. The issue of waivers and access to documents. But the point was, is that we were joined together to try to work through that to get through an independent investigation. When they came back to the board, the board decided to not move forward. Fast forward to last Friday, we received the request from the Attorney General requesting the release of additional documents. Within hours of that request becoming public, I personally began to receive media inquiries. These are by way of voicemail asking me whether or not I was going to recuse from the decision because I had a conflict. Now what's offensive to me is that is the conflict as explained to me in the voicemail was because the Attorney General had specifically named me in the request related to the same documents that I talked about that were produced back in 2018. I am only one of two board members currently on the board, who was specifically named by the Attorney General. So again, while it's offensive to me that someone would claim that I have a conflict, I understand. And after reviewing it, I do not believe it's appropriate that I engage in any decision with regard to the response to the Attorney General. The documents, I fully complied with every request that I've had over the last six months or six years, I should say. It's very clear to me that I dealt that anything involving any communication of mine is the subject of the investigation, but I also recognize that there will be some that claim that I have a conflict, and then I should step back. And so again, I notified the board earlier this week that I'm recusing myself from any decision related to a response to the attorney general. And with that, I appreciate the time and I thank you for the extra time.

Trustee Denno provided the following remarks.

Thank you, you know, to the Nassar survivors, their parents, or families. The only thing I can say to you, is I'm sorry. I'm sorry. A great university can just be at times really shitty, and I don't know what else to say. I too want to wish our Muslim friends a wonderful and joyous holiday. I want to dovetail off something Chair Vassar said that I think it was April 17, we had food trucks for lunch and dinner for every single law enforcement entity that was here on campus on February 13. It was a way to thank them for everything they did for our community. We had about 100 law enforcement officials show up, which was great. We served and we delivered 20 lunches and 20 dinners to dispatch you know the 911 Center, Ingham County 911 Center and we delivered 20 dinners to Lansing police, Lansing police night shift. As far as the Presidential Search Committee, some of you know, I'm the chair of that committee. I'm very honored and humbled to be leading the process to find our permanent president, our 22nd president. Trustee Scott's the vice chair. Trustee Kelly and Knake Jefferson will be joining us. I'm really excited about this committee. I'm excited about building out the larger committee. It's going to be a large robust diverse committee. Isaacson, Miller has been selected as the executive search firm to assist in the process. They are the same firm also currently assisting the university with the selection of the next Vice President for Civil Rights and Title IX Education and Compliance and other executive positions in MSU colleges. And even though they helped pick the University of Michigan president we still decided to hire them. Community listening sessions began on April 14. The next one will take place at 6pm, Monday, April 24, continuing through Friday, April 28. All sessions are held virtually and are available online. You can find more info at presidentialexecsearch.msu.edu. Last thing, I just want to reiterate my comments in the January board meeting where I just want to thank law enforcement for all you do for our communities to keep us safe. Thank you.

Trustee Pierce provided the following remarks.

Thank you, Stefan. Let me just make a few comments of those that are present today. First of all, Meghan Hill for your commitment to working on really breakthrough technology in the medical field that will not only save lives but extend lives. Thank you. To, Belle, and to Jo, and to Hannah. Thank you for advocating for undergraduate and graduate students. Thank you for bringing issues that we need to hear, and thank you for recognizing, and really celebrating every all of your accomplishments in the undergraduate and graduate programs. Thank you. To Karen and Stephanie, thank you for all of the work that you have done representing the faculty, the foundation of Michigan State University, and for Jamie and d'Ann, for continuing your services liaisons. As I think about the faculty of Michigan State University, and I think about the events that are going on, not only in this campus, which we've talked about today, but in the world, with the political divisiveness and the global pandemic, and the war on Ukraine, and the economic uncertainty, and then everything going on in this campus. You, the faculty, are preparing our students, you're preparing the next generation, to face every obstacle and every opportunity with perseverance and determination, and the will of a Spartan. And so, for that, we are very grateful. I want to thank Dr. Rema for your comments

today. I really do appreciate you on behalf of the board. Everything that you said I'm completely aligned with. So, thank you for that. And thank you for your leadership, which has been exceptional. I do want to spend a minute if I can, on something that's coming up on April 29, that I want everyone to be familiar with, and I'm very excited about. It's called the Empower Her Leadership Retreat and it was started by the former Michigan State Basketball Coach Suzy Merchant. And it's a one-day retreat. It focuses on empowering girls, by teaching them skills to overcome challenges that they may face in their life. This year, nearly 400 are registered to participate. It's the highest number we've had. And they're from fourth through ninth grade, nine- to 15-year-old girls, think about that, coming from all over Michigan, 20 counties represented. Classes and workshops are going to be put on designed for every age range, to cater to their current experiences and things that they might experience in life. I think it's fabulous that MSU is doing this, and I do appreciate it. And finally, to those of you that came forward today and in previous board meetings with public comments, I want you to know that as the Board of Trustees, we are listening. We do care, and we are committed to fulfilling our fiduciary responsibilities. Thank you.

Trustee Tebay provided the following remarks.

Thanks, Stefan. I just want to echo Dr. Vassar's comments regarding February 13, and also Trustee Denno's comments as well. Also, want to let you know, Dan, that you missed out on the tour of the Kinesiology school yesterday where we got to meet Dr. Ferguson who's running the NASCAR program, which is very cool. And I suggest that when you don't have a walker anymore, that you go see it as well. I really want to thank Rema for your leadership over the last few months. It feels like years, but it is actually now that I look at it only been three months and 21 days, which is insane to me. I just think that we are all very lucky to have someone who's not afraid to be bold and to tell the truth. And so, I'm just very grateful to have you at the helm of this board and continuing to push everyone to be better and do better. So, thank you for everything that you do for us. I also want to thank Jo and Belle, who I believe are there still for your leadership and Stevie as well, who I was told is not present but Stevie, if you're listening, I very much appreciate working with you over the last year. But Jo I just I don't even have words to just sort of describe how amazing you are, and I hope you know that I can't even fathom representing 40,000 students and just taking care of all of their needs and challenges and doing it with such grace and empathy and courage and diligence. I just think you are; I feel very grateful to have spent this last year watching you lead; I think we all are really lucky to have seen what a tremendous leader you are. And I am very much looking forward to seeing what you do with your life, because I know you're going to do really great things and make us all proud. And I just want to thank you so much for all of the time that you've put in over the last year and especially over the last few months. And Belle, thank you so much for everything that you have done. You are fabulous advocate for all of the students that are living on campus. And no one could have any doubt in your voice and lifting up their voices of the struggles that you've had in the dorms, and in the residence halls

over the last year. I'm very excited that you're going to be still with us in the law school, which is super exciting. But I just think that you are fabulous as well, and I'm glad you're not leaving us just yet because you are a true asset to this community. Emily, if you're still out in the audience, I'm very much looking forward to working with you in the future and congratulations and to Taylor, the new president of RHA, looking forward to working with you as well. And Hannah, looking forward to continuing working with you as your leadership in COGS. And lastly, I just want to sort of expand after something that Dr. Rema said about taking care of ourselves. I hope that after we celebrate everyone, on graduation weekend that we take the summer to really take care of one another and take care of yourself. And continue to lean on one another when needed and ask for help if you need it. I hope everyone does get to have a little fun this summer. Thank you.

Chairperson Vassar provided the following remarks.

Yes. On behalf of the board, to those who spoke earlier today in public comments, we want you to know that we do hear you, we see you. We see you with trembling voices and shaking knees come and advocate for what you believe in and what you think is best. And we appreciate you coming every time and your diligence and your persistence. To Valerie, and members of the POSSE and all survivors, your advocacy has not gone unnoticed. You continue to make positive change. I know that sometimes you don't feel that it's fast enough. Being courageous and fighting for others is sometimes lonely work, and I'm sorry for the pain this institution has caused you and the pain you must feel today. Please know that you are not alone. I must share that in response to the Attorney General's most recent request to waive attorney client privilege. MSU's General Counsel will inform the AGs office that we will not take any new action. Therefore, we will continue to maintain attorney client privilege. We understand that for those who continue to push for transparency, with this particular action, this might not be what you want to hear. Pretty sure it's not. On behalf of the board, please know we are sorry. We recognize that MSU is a continuous site of trauma for survivors. We will continue to devote time and resources to facilitate a healing culture for all members of our community. And we're committed to treating you with the respect and care you deserve during this time and during this long arduous journey that we have ahead of us. I apologize personally and on behalf of this board.

13. Request to Adjourn

On a motion by Trustee Pierce, supported by Trustee Vassar, **THE BOARD VOTED to adjourn** at 11:47 a.m.

Respectfully submitted,



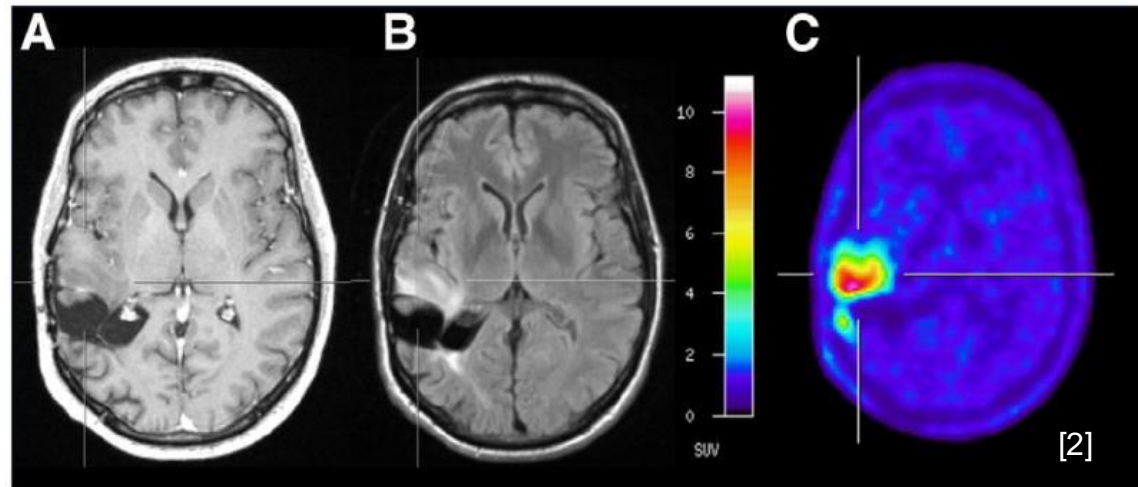
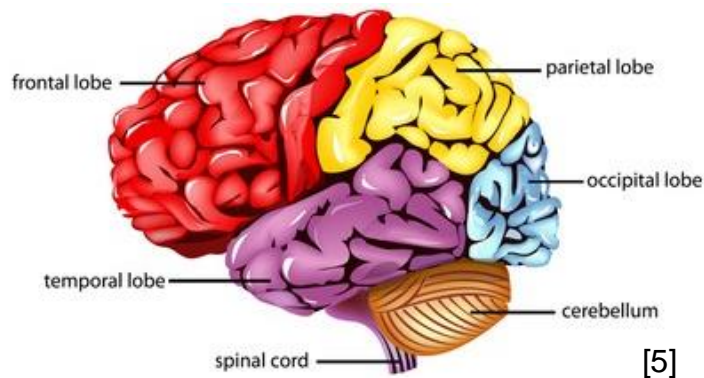
Stefan Fletcher
Secretary of the Board of Trustees

Engineered Nanoparticles for Effective Brain Cancer Detection and Treatment

Meghan L. Hill, Seock-Jin Chung, Kay Hadrick, Rachna Parikh, Leila Mwangi,
Hyeon-Joo Woo, and Taeho Kim

Department of Biomedical Engineering

Michigan State University Board of Trustees Meeting
April 21st, 2023



1. Laterra, J.; Keep, R.; Betz, L. A.; Goldstein, G. W. *Basic Neurochemistry: Molecular, Cellular and Medical Aspects*; 1999. Herholz, K.; Langen, K. J.; Schiepers, C.; Mountz, J. M. B. t. S. i. n. m., 42 (6), 356–370. <https://doi.org/10.1053/j.semnuclmed.2012.06.001>.
2. Brain tumors. *Seminars in Nuclear Medicine* 2012, 42, 356-370. DOI: <https://doi.org/10.1053/j.semnuclmed.2012.06.001>
3. Glioma. <https://www.mayoclinic.org/diseases-conditions/glioma/symptoms-causes/syc-20350251> (accessed).
4. GROOT, J. D. Q&A: *Understanding glioblastoma (GBM)*. 2013. <https://www.mdanderson.org/cancerwise/understanding-glioblastoma.h00-158828856.html#:~:text=de%20Groot%2C%20M.D.-,Glioblastomas%20can%20occur%20in%20any%20lobe%20of%20the%20brain%20and,the%20frontal%20and%20temporal%20lobes>. (accessed).
5. Labeled Brain Anatomy Images. <https://www.shutterstock.com/search/labeled+brain+anatomy>



- Prussian Blue was first developed accidentally in 1706
- It was one of the original 18 crayon colors
- To this day it is still a commonly used dye
- It is now an FDA approved drug for heavy metal toxicity

Potash



[7]

Blood



+

+

Pyrite



[8]

=

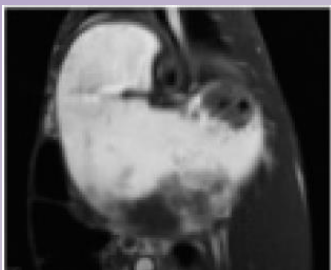
Prussian Blue



[6]

MRI

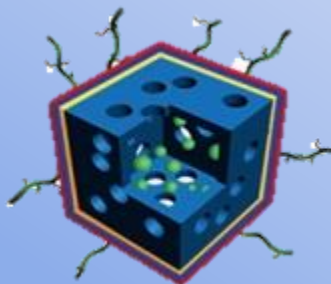
- Innate T1 contrast abilities
- Doping with gadolinium or manganese to increase contrast



9. Gao, X.; Wang, Q.; Cheng, C.; Lin, S.; Lin, T.; Liu, C.; Han, X. The Application of Prussian Blue Nanoparticles in Tumor Diagnosis and Treatment. *Sensors* **2020**, *20*. DOI: <https://doi.org/10.3390/s20236905>.

Drug Loading Capabilities

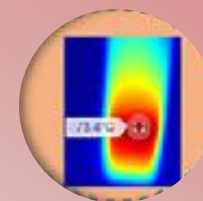
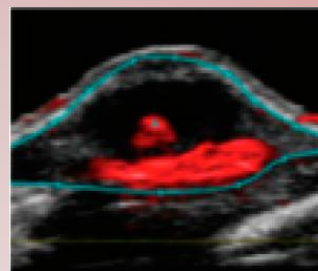
- Particles can be made porous and allow for passive loading of common hydrophobic chemotherapeutics



11. Jing, L.; Shao, S.; Wang, Y.; Yang, Y.; Yue, X.; Dai, Z. Hyaluronic Acid Modified Hollow Prussian Blue Nanoparticles Loading 10-hydroxycamptothecin for Targeting Thermochemotherapy of Cancer. *Theranostics* **2016**, *6*, 40-53. DOI: 10.7150/thno.13250.

Photoacoustic Imaging + Photothermal Therapy

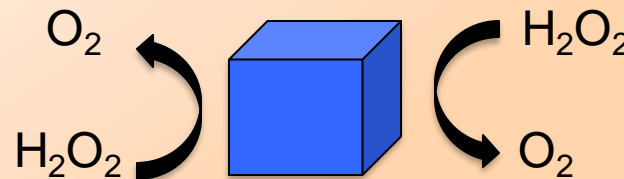
- Exposure to laser light can increase image contrast as well as therapeutic effect



10. Gautam, M.; Poudel, K.; Yong, C.; Kim, J. O. Prussian blue nanoparticles: Synthesis, surface modification, and application in cancer treatment. *International Journal of Pharmaceutics* **2018**. DOI: 10.1016/j.ijpharm.2018.07.055.

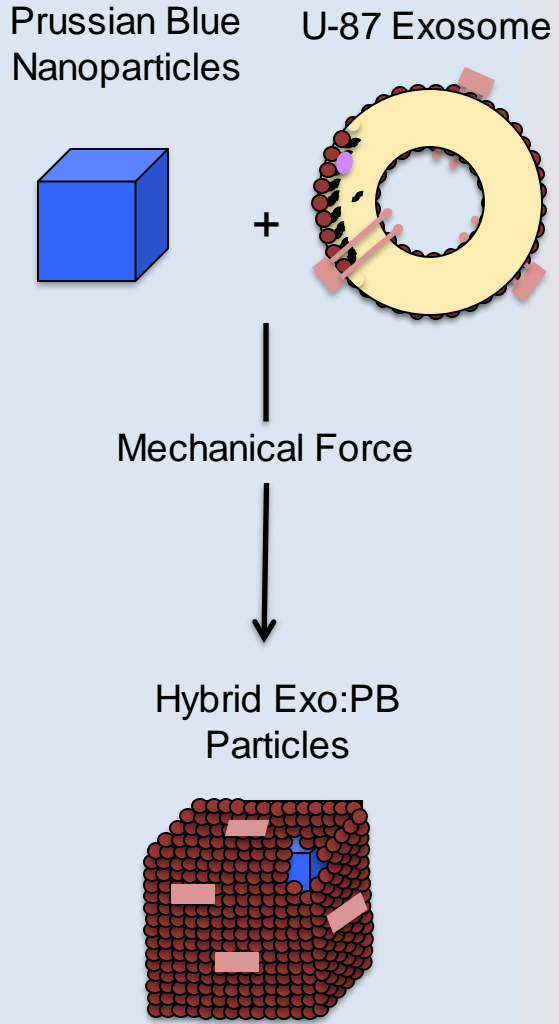
Inflammation Reduction

- Based on particle composition, PBNPs can act as multifunctional enzymes that can reduce local inflammation.

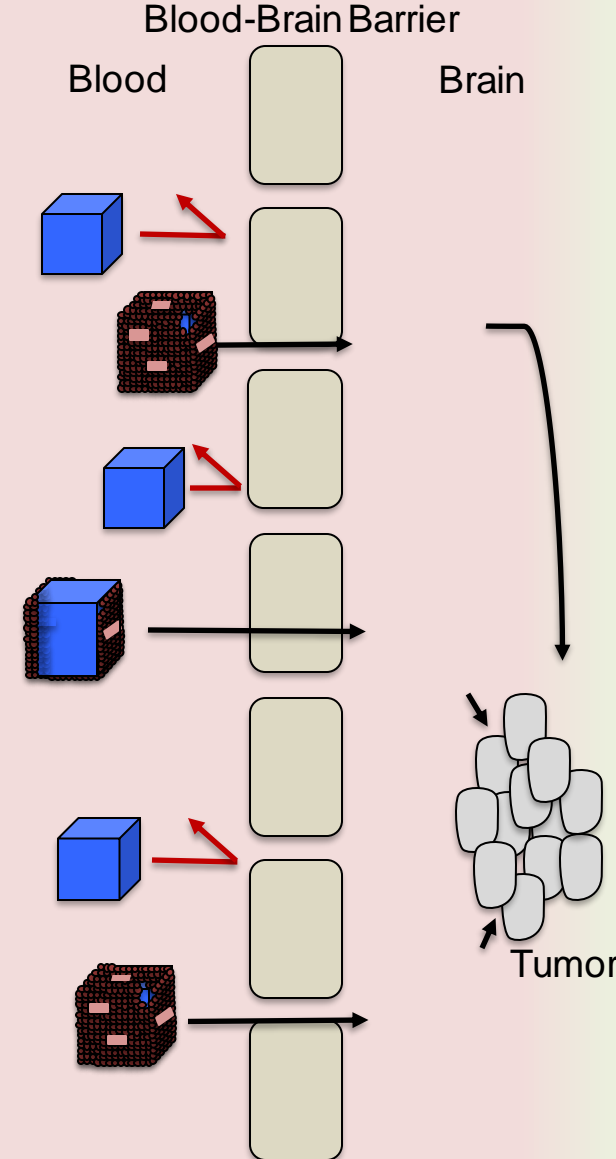


12. Zhou, R.; Wang, P.; Guo, Y.; Dai, X.; Xiao, S.; Fang, Z.; Speight, R.; Thompson, E.; Cullen, P.; Ostrikov, K. Prussian blue analogue nanoenzymes mitigate oxidative stress and boost bio-fermentation. *Nanoscale* **2019**, (41). DOI: <https://doi.org/10.1039/C9NR04951G>.

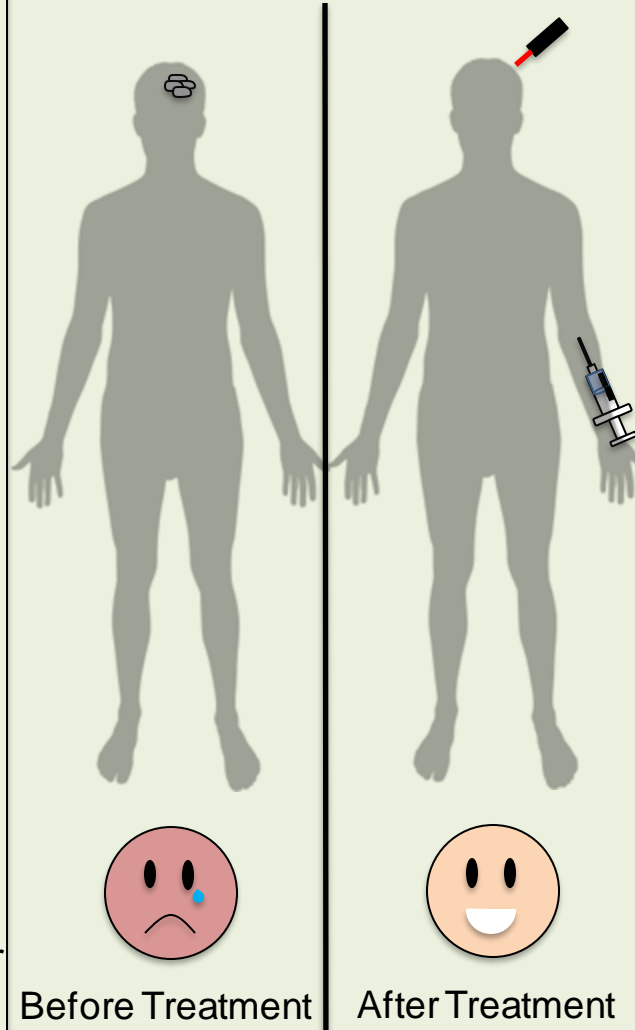
1. Hybrid Particle Synthesis



2. Enhanced Accumulation in Tumors



3. Early Diagnosis and Treatment



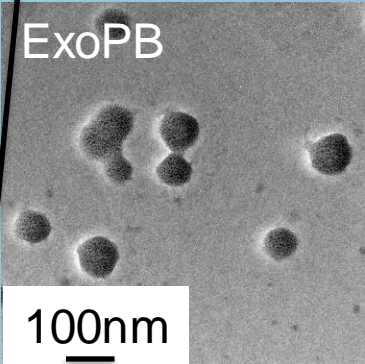
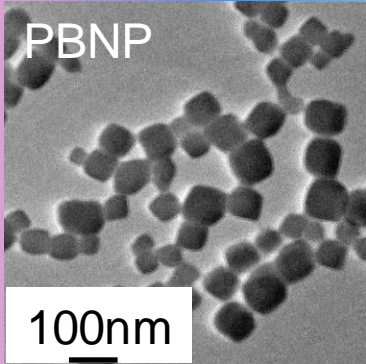
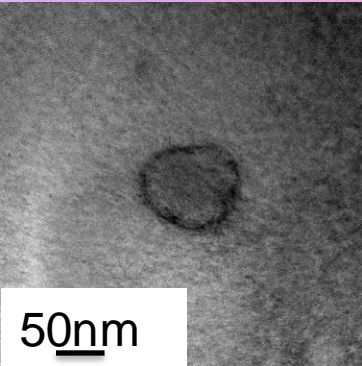
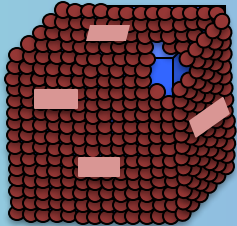
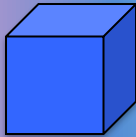
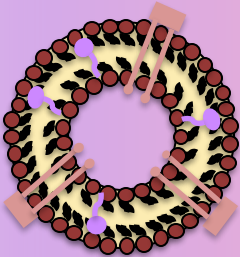
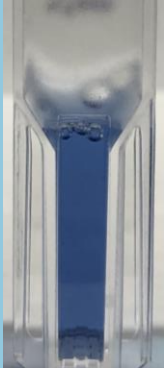
Exosome



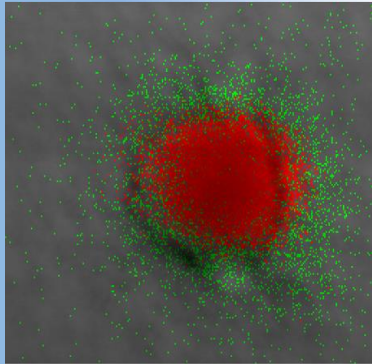
Prussian Blue



ExoPB

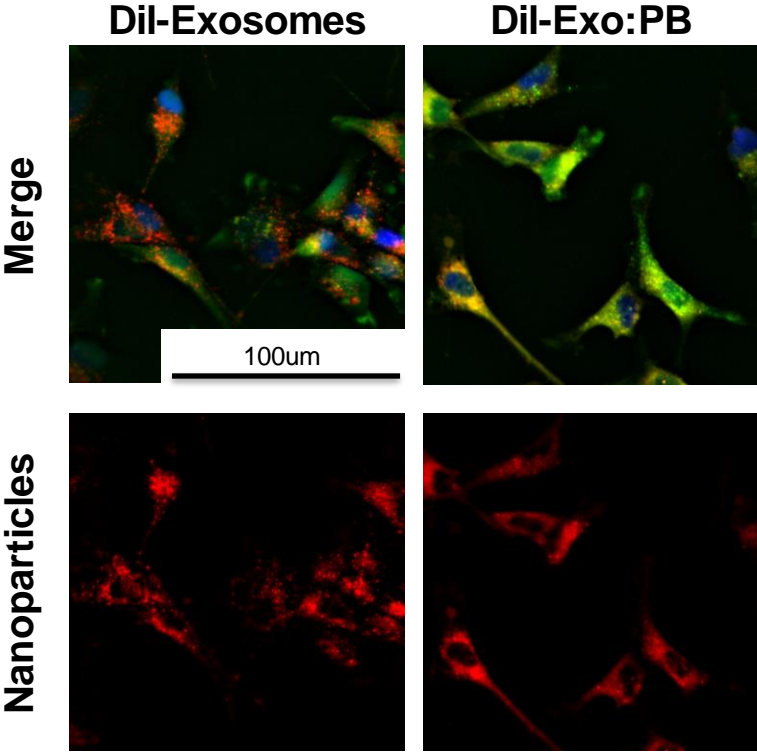


ExoPB Single Particle Analysis

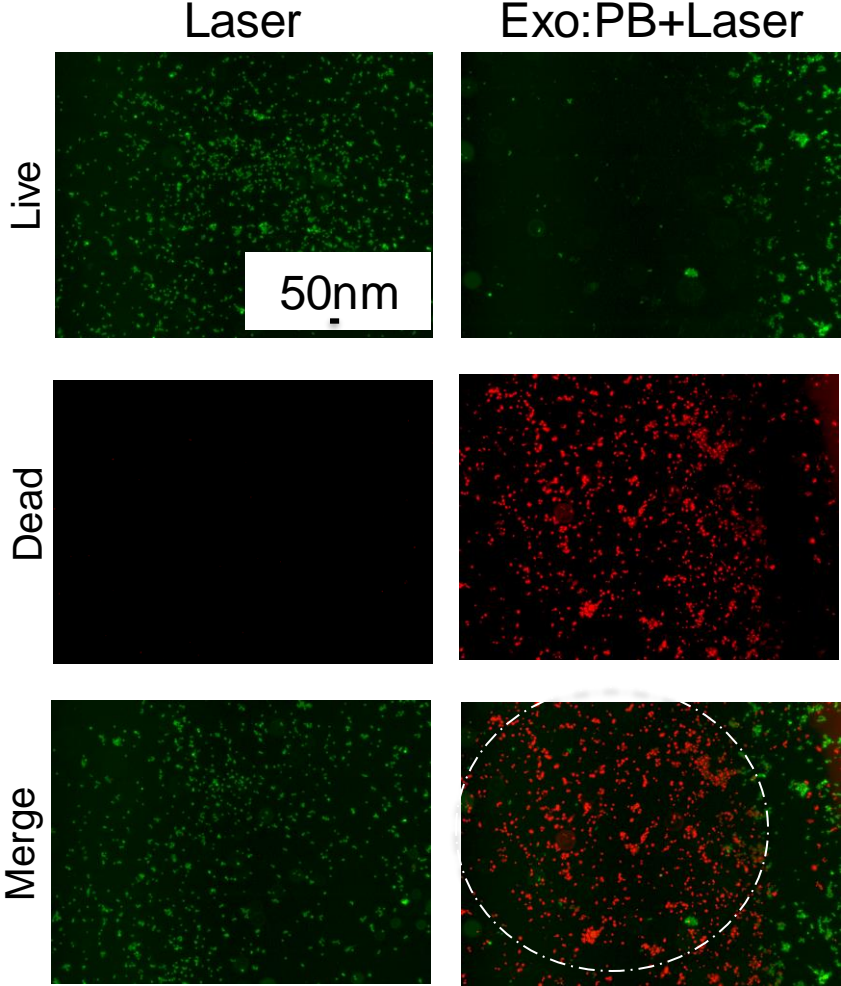


Exosome
Prussian Blue

Uptake Patterns in Glioblastoma Cells

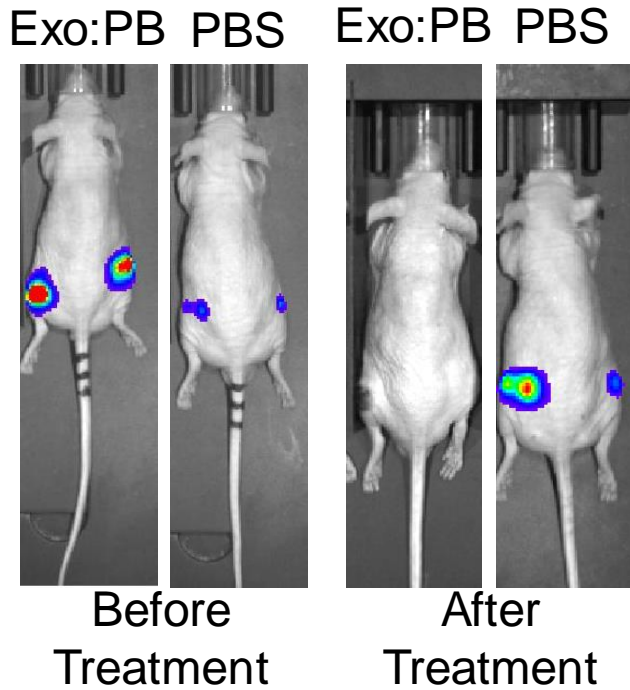


Laser Based Cell Death

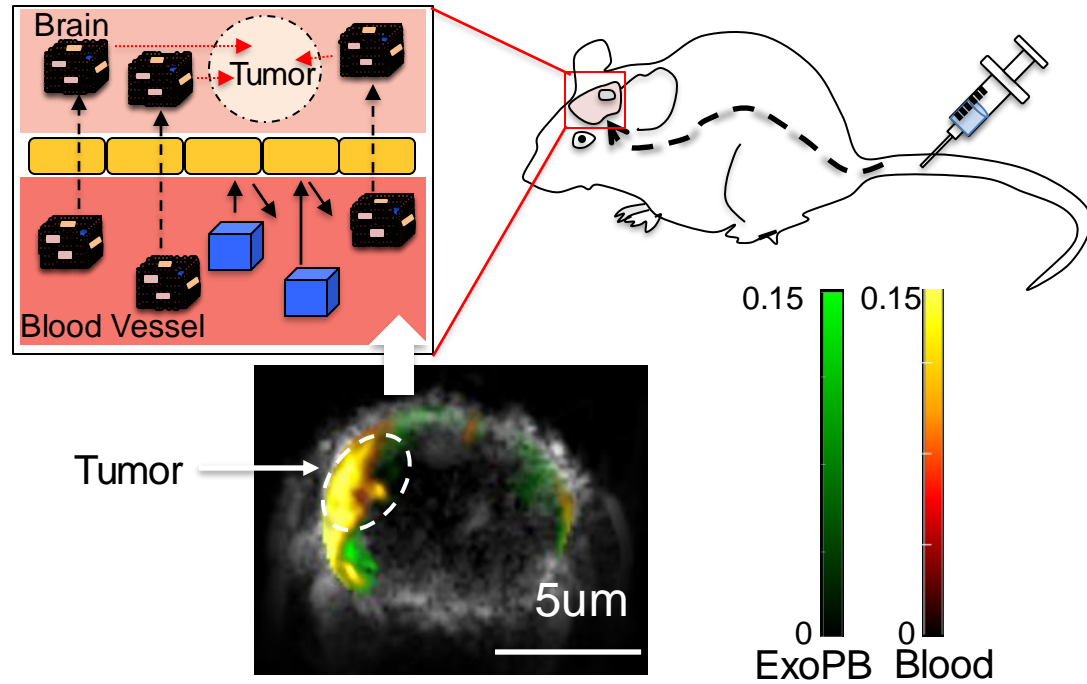


Green = Alive, Red = Dead

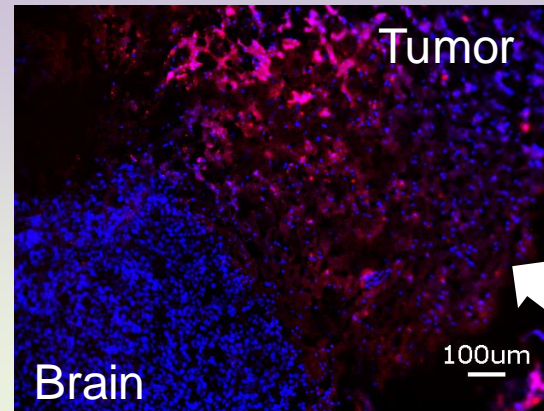
Laser Treatment



Photoacoustic Imaging Diagnostics



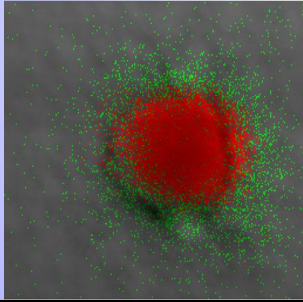
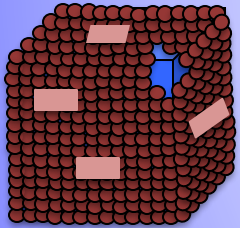
Tumor Identification



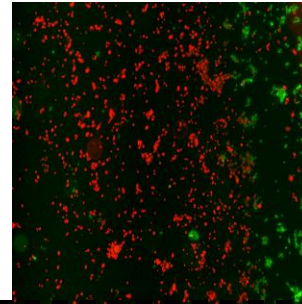
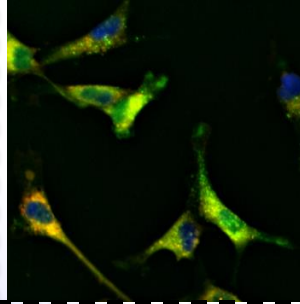
Red = Dil-ExoPB
Blue = Cell Nucleus

Specific Identification
of Tumor

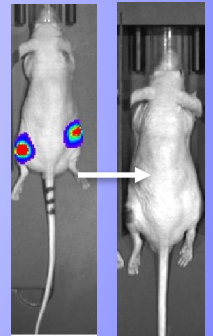
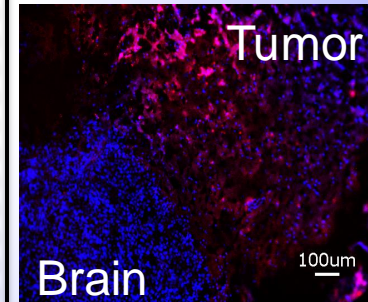
- We have developed a new hybrid particle



- These particles have both PBNP and Exosome properties



- They have direct targeting of brain tumors and therapeutic effect



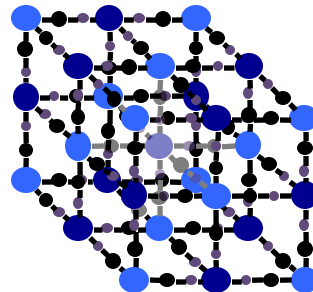
- Magnetic Guided – Laser Interstitial Thermal Treatment

**HENRY
FORD
HEALTH**

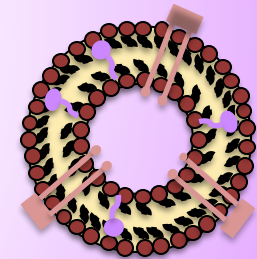
13. Henry Ford Hospital Rebranded Logo.
<https://www.freep.com/story/news/health/2022/03/22/henry-ford-health-system-new-name-logo-rebranding-campaign/9457253002/>

Future Directions

- Enhance MRI/PAI contrast



- Changing the type of exosome can lead to different cancer applications





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PhD Candidate
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Dr. Taeho Kim,
Principle Investigator
(Contact: kimtae47@msu.edu)

Kim Lab Members:



Leila Mwangi,
Undergraduate Researcher



Kay Hadrick,
PhD Candidate



Dr. Seock-Jin Chung,
Postdoctoral Scholar



Dr. Hyeon-Joo Woo,
Visiting Scholar

Lab Funding Sources

- Start-up fund (Michigan State Univ.)
- R01HD108895-01, P01HD106485-01 (NIH)
- SRI and Bayer Discovery/Innovation Grant



LICENSE AGREEMENT TERM SHEET

Party: Great Lakes Crystal Technologies Inc.

Project Description: Exclusive License Agreement

Term: Execution until patent expiration

Financial Terms: Cash payment of license fee, reimbursement of patent expenses and royalties on product sales

Services Provided: By MSU to company: none

By company to MSU: none

The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.

**Use of University Facilities/
Personnel:** None

Organization Type and Domicile: Delaware Corporation

Personnel Interest: MSU Employee, Professor Timothy Grotjohn, has stock and stock options in GLCT equaling approximately 40%-50% ownership.

SERVICE AGREEMENT TERM SHEET

Party: Great Lakes Crystal Technologies Inc.

Project Description: Service Agreement

Term: Two years

Financial Terms: Two-year Phase II STTR effort totaling \$419,889 to MSU

Services Provided: By MSU to company: MSU will perform laser writing and annealing experiments on diamond materials developed by GLCT and will characterize those materials via advanced optical measurements.

By company to MSU: none

Use of University

Facilities/Personnel: Prof. Johannes Pollanen will perform laser writing and annealing experiments on diamond materials developed by GLCT and will characterize those materials via advanced optical measurements.

Organization Type and Domicile: Delaware Corporation

Personnel Interest: MSU Employee, Professor Timothy Grotjohn, has stock and stock options in GLCT equaling approximately 40%-50% ownership.

Option AGREEMENT TERM SHEET

Party: KOPESS AgTech, LLC

Project Description: **Xerico Option Agreement**

Term: Twelve months from the effective date of the option agreement with options to extend the agreement.

Financial Terms: One thousand for the initial term, plus five thousand per year extension contingent on research funding threshold.

Services Provided: By MSU to company: None
By company to MSU: None

**Use of University
Facilities/Personnel:** None

Organization Type and Domicile: LLC, Michigan

Personnel Interest: Kyung-Hwan Han, Professor of Horticulture Agricultural is a co-founder with a 50% ownership interest in the company.

OPTION AGREEMENT TERM SHEET

Party: KOPESS Biomass Solutions

Project Description: EliteTree Option Agreement

Term: Twelve months from the approval date of this option agreement with an option to extend the agreement.

Financial Terms: One thousand for the initial term plus option one-year extension(s) contingent on reaching the funding threshold and payment of \$5000/yr extension fee.

Services Provided: By MSU to company: None
By company to MSU: None

**Use of University
Facilities/Personnel:** None

Organization Type and Domicile: LLC, Michigan Corporation

Personnel Interest: Kyung-Hwan Han Professor in the Department of Horticulture is a co-founder and has a 42.5% equity interest in the company.