

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

April 22, 2022

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, Dan Kelly, Pat O'Keefe, Brianna Scott, Kelly Tebay and Rema Vassar via Zoom.

University officers present: President Stanley, Provost and Executive Vice President Woodruff; Executive Vice Presidents Beauchamp and Woo; Senior Vice Presidents Frace, Gore, and Wilbur; Vice President and General Counsel Quinn; Secretary and Chief of Staff Scorsone; Vice Presidents Bales, Bollman, Frace, Gage, Guerrant, Haller, Heil, and Swain. Faculty liaisons present: Richard Fulton and Stephanie Anthony. Student liaisons present: Kaitlyn Bolton, Georgia Frost, Sara Hugentobler, and Myesha Johnson.

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 O'Keefe, supported by Trustee Foster, the **BOARD VOTED to approve** the minutes of the February 11, 2022, Board of Trustees meeting.
3. Public Participation
 - a. Carol Prahinski—Contract negotiation with UNTF
 - b. Victor Rodriguez-Pereira—Contract negotiation with UNTF
 - c. Rex Lamore—Ad Hoc Sustainable Investment Working Group
 - d. Grace Rathburn—Fossil fuel divestment
 - e. Jesse Estrada White—Fossil fuel divestment
 - f. Jakob Levengood—Fossil fuel divestment
 - g. Truman Forbes—Fossil fuel divestment
 - h. Robin Anne Hartnett—Swimming and diving
 - i. Dawn Lagerstrom—Swimming and diving
 - j. Ava Boutrous—Swimming and diving
 - k. Daniel Schemmel—Swimming and diving
 - l. Rachel Aycock—Expectations versus reality at MSU
 - m. Alexis Lefevre—MSU Swim Club National Championship Contributions

4. President's Report

President Stanley provided the following report to the Board:

I want to thank those who spoke this morning. In my remarks today, I will highlight some notable accomplishments and honors earned by Spartans since we last met, as well as a number of exciting facility openings and leadership appointments. As we mark Earth Day today, I want to acknowledge all those Spartans working to make our world more sustainable. MSU has made strong commitments and progress in sustainability through cutting-edge research, experiential learning, community engagement and operational practices. Our MSU 2030 strategic plan commits us to climate neutrality by 2050 and several more near-term goals through our four-pillar framework of campus, curriculum, community, and culture. I was pleased to help kick off our first campus convening on climate change Wednesday, which was produced by our Office of Research and Innovation with great participation from our colleges. And later in the day, we enjoyed hosting Lt. Gov. Garlin Gilchrist and other special visitors for a roundtable focused on public/private partnerships supporting Michigan's leadership in electric vehicles and advanced mobility. The event also allowed us to highlight our excellent engineering program and the exciting R&D innovation that contributes to the state's economy in a growing economic sector.

This good work creating a greener future builds on an exceptionally successful semester and academic year. We returned to in-person learning and activities following the prior year's remote programs, and that has helped bring us together as a community. I am looking forward to joining trustees and colleagues in saluting the more than 9,200 spring graduates at our convocation and commencement ceremonies on May 6. I am certain our graduates will be inspired by our honorary degree recipients and guest speakers. It will be a thrill for our undergraduate degree recipients to hear top MSU scorer, first-round NBA draft pick, Olympic gold medalist, philanthropist and sports analyst Steve Smith speak. He will receive an honorary doctoral degree in education. Carhartt President and Chief Operating Officer Linda Hubbard will address master's degree recipients and receive an honorary doctoral degree in business. And Ronald Goldsberry, a U.S. Army Captain, and former Ford Motor Co. executive, will address doctoral degree recipients and receive an honorary doctoral degree in science. We will also present honorary degrees to alums Dan and Jennifer Gilbert of Rocket Companies in Detroit and Wendy's President Todd Penegor. They were not able to make their addresses to 2020 graduates in person. As we look to graduation, I want to congratulate the Board of Trustees Scholars we honor today. It is so impressive to see so many students concluding their undergraduate experience with 4.0 grades, especially given the challenges posed by the pandemic. I have greatly enjoyed being able to host in-person events honoring outstanding students and faculty members in recent weeks. That includes Graduate and Professional Student Appreciation Week and spending time at The Hatch with some very impressive student entrepreneurs. I continue to be impressed with the scholarly excellence of

our students. Andrew McDonald, who is an Honors College senior majoring in both computer science and advanced mathematics and statistics, was named a Gates Cambridge Scholar, making him the sixth to be named from MSU. That scholarship will fund his doctoral degree studies at Cambridge, while his joint master's program there will be funded by a Marshall Scholarship. Three additional MSU juniors were also recently named as 2022 Goldwater Scholars to pursue studies in science and mathematics. And 16 exceptional undergraduate and graduate students and alumni were selected for National Science Foundation Graduate Research Fellowships. This prestigious program supports graduate study in NSF-supported STEM disciplines. MSU's commitment to academic excellence was once again recognized by U.S. News & World Report; it placed five of our graduate programs at number one, including the College of Education's Elementary and Secondary Education programs, where they have been since 1995! Curriculum and Instruction remains at the top for the fourth year in a row, among the College's eight graduate programs ranked in the Top 20. The Eli Broad College of Business's Supply Chain graduate program remains number one for the sixth year in a row, the undergraduate program has topped its list for 10 years. The College of Natural Science's Nuclear Physics graduate program has been ranked at the top for 13 straight years. Finally, it has been a great season for athletics, and I have enjoyed cheering on our student-athletes. Our men's basketball team took us to the NCAA tournament for the 24th straight year, the longest streak in Big Ten history and the third-longest in NCAA history. It was also great this week to honor some of MSU's student-athletes who won championships individually or as members of their teams. Altogether, this year's list of champions is impressive. James Piot won the 2021 U.S. Amateur Golf Championship and competed with the pros in the 2022 Masters Tournament. First-year gymnast Skyla Schulte finished in the Top 10 on the beam in the NCAA Championship Semifinals and is the third Spartan gymnast to earn All-American honors. Wrestling had five NCAA qualifiers, men's and women's Track and Field had three Big Ten Champions, who with two others also qualified for the NCAA Championships. Men's and Women's Cross Country both competed in the NCAA championships. Women's Golf won the 2021 Big Ten Championship and Spartan Football were the 2021 Peach Bowl Champions and won 11 games for the sixth time in team history. And in club sports, both the men's water polo team and the roller hockey team are national champions. And the MSU Swim Club, which contains members from the varsity swim and dive program, won the national college club title. I know everyone joins me in congratulating all our champion student-athletes.

As we conclude a successful semester and get ready to say goodbye to most students for the summer, we are already welcoming new ones who will join us in the fall. I want to congratulate the Office of Admissions, the Provost and Deans for their work producing such a successful Admitted Student Day last Saturday for accepted first-year and transfer students. More than 7,000 prospective students and family members joined us from 37 states and 11 countries, as far as India, to visit our colleges, attend the Green and White football game and catch the excitement at a Breslin Center pep rally. Nearly every academic college

participated, with 108 informational sessions, plus Admissions and Breslin staff and volunteers from across campus. I am happy to report student deposits went past 700 on Monday alone, and we are ahead of the usual pace at this point in the year.

Moving to our personnel agenda today, I would like to begin by recognizing Vice President for University Advancement Marti Heil for her very distinguished career. She has been a key leader in our comprehensive capital campaigns and has most recently been laying the groundwork for the next one, and we will honor her later in today's meeting. I am also excited to recommend Kim Tobin to be the next Vice President for Advancement. Kim has an impeccable record of success in donor and alumni relations, with a wonderful ability to engage audiences in transformational philanthropic opportunities. Also, on our agenda today, Provost Woodruff is recommending University Distinguished Professor Pero G. Dagbovie as the Associate Provost for Graduate and Postdoctoral Studies and Dean of the Graduate School. And Executive Vice President Beauchamp is recommending College of Human Medicine interim dean Aron Sousa's appointment be confirmed as dean of the college. And finally, we announced earlier this week the selection of Christina Brogdon for Vice President of Human Resources and Chief Human Resources Officer, pending Board of Trustees consideration this morning. All will be vital leaders as we work toward the strategic plan's vision of supporting the university's excellence and impact in the coming years. As we welcome new leaders, I would like to recognize the leadership of two other Spartans who will soon retire. University Physician David Weismantel, who will retire on May 16, has loyally served MSU in a variety of capacities for the past 23 years. That includes leading the Student Health and Wellness unit as executive director, where he helped lay a solid foundation for MSU's long-term health and wellness structure. His counsel and leadership have been especially critical through the dynamic and challenging years of the COVID-19 pandemic, and I want to express my gratitude for his experience and dedication. Finally, I would like to acknowledge the dedicated career and pending retirement of MSU's longest-serving faculty member, Professor Martin Hawley. Appointed as an Assistant Professor of Chemical Engineering in 1964, Dr. Hawley's service to MSU spans a phenomenal 57 years and 8 months. His association with MSU extends even further back, having earned his bachelor's and doctoral degrees from MSU. He has served in positions including Chairman of the Department of Chemical Engineering and Materials Science, Director of the Composite Research Center and Senior Associate Dean of the College of Engineering. The college estimates Professor Hawley has educated at least 80 percent of MSU chemical engineering students, and last year an appreciative alumnus established the Martin C. Hawley Endowed Chair in his honor in the College of Engineering. Congratulations to this amazing and influential Spartan.

I now want to touch on some of our recent facility openings. I was pleased to join the ribbon-cutting for the new McLaren Health Care campus in the University Health Park, marking a new hospital, outpatient care center and cancer institute.

MSU's medical education and healthcare delivery are based on such community partnerships, and I look forward to pursuing our vision for health care with McLaren and with our many other medical partners. As you know, integrating the arts into everything we do is part of the university's arts strategy and the strategic plan, and Alumni Memorial Chapel has been without a working organ for many years, until now. I had the pleasure of helping dedicate the chapel's new, custom-built pipe organ at a special recital. I am happy to report music is back on the banks of the Red Cedar, thanks to the generosity of Spartans and music lovers. Earlier this week, we celebrated the groundbreaking for the School of Packaging's building expansion after a fundraising campaign that, through the generosity of our partners, raised more than \$10 million. This project, with a new endowed professorship, will help the school maintain its leadership in packaging education. Trustee Scott and I will be joining this afternoon's groundbreaking for our Service Road recreational turf fields, which is our first project applying the student recreational facility fee the Board approved last year. This new facility, which will be ready for play in the fall, will serve over 8,500 IM sport participants, more than 550 club sport athletes and officials, and many other users, supporting our priority of student health and well-being. And on May 2, we will gather again to cap years of planning, construction and testing with the opening of the Facility for Rare Isotope Beams. With that, MSU builds on its position as a destination for the global science community, a training ground for the next generation of scientists and an important asset for our region's economy. I am excited to see how FRIB contributes to new scientific discoveries as well as practical applications that improve people's lives.

Finally, April is Sexual Assault Awareness Month. As part of our continuing efforts to address relationship violence and sexual misconduct, I want to remind the university community of two remaining Zoom listening sessions to share feedback on the RVSM strategic plan. Those sessions are next week, at noon on April 25 and at 7 p.m. on April 27. I want to thank Professor Rebecca Campbell and Deputy Police Chief Andrea Munford for their continuing leadership in this important area.

With that, I'll conclude my remarks.

5. Gift, Grant, and Contract

Vice President Doug Gage presented the Gifts, Grants and Contracts Report for the period of January 13, 2022, through March 23, 2022. The report is a compilation of 445 Gifts, Grants, and Contracts plus 29 Consignment/Non-Cash Gifts, with a total value of \$84,511,183.

Trustee O'Keefe **moved to approve** the recommendation, with support from Trustee Tebay.

THE BOARD VOTED to approve the recommendation.

6. Research Presentation

Vice President Gage introduced Mariam Sayed, Physiology/French Major, who gave a presentation entitled, "Fostering Societal Transformations in Attitudes Towards Neurodivergent Populations." (Appendix A)

7. Personnel Actions

Provost Woodruff presented the following personnel actions:

Christina K. Brogdon, PHR/MBA—AN, Vice President and Chief Human Resources Officer, Office of Human Resources, effective June 1, 2022.

Dorothy R. Carter, Ph.D.—AY, Associate Professor, Department of Psychology, with tenure, effective August 16, 2022.

Nathan T. Carter, Ph.D.—AY, Professor, Department of Psychology, with tenure, effective August 16, 2022.

James Moran, Ph.D.—AY, Associate Professor, Department of Integrative Biology, with tenure, effective August 16, 2022.

Kimberly Tobin, Ph.D.—AN, Vice President of University Advancement, effective May 1, 2022.

It is recommended that the executive management title of Vice President for Finance be reinstated for a revised title of Vice President, Financial Planning and Analysis and that all applicable policy documents be revised to reflect the new title, effective April 22, 2022.

Pero Gaglo Dagbovie, Ph.D.—AN, University Distinguished Professor and Associate Dean of the Graduate School for a change in title to Associate Provost for Graduate and Postdoctoral Studies and Dean of the Graduate School, and for a change in salary, effective April 11, 2022.

Robert Fowkes-Gajan, Ph.D.—AN, Professor and Chairperson of the Department of Small Animal Clinical Sciences, fixed term, for a change in status to with tenure, Professor, Department of Small Animal Clinical Sciences, effective May 1, 2021.

Aron C. Sousa, MD.—AN, Professor of Medicine and Interim Dean of the College of Human Medicine for the removal of Interim, for an appointment of Dean of the College of Human Medicine and for a change in salary, effective April 1, 2022.

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

THE BOARD VOTED to approve the recommendations.

8. Committee on Budget and Finance

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

A. 2022-2023 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 2022-23 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 \$10,990 for first-year residents who select the silver unlimited meal plan for the 2022-23 academic year and adopts the basic residence hall double room and board rate of \$10,676 for second-year residents who select the silver unlimited meal plan for the 2022-23 academic year.

BE IT FURTHER RESOLVED, that the Board of Trustees of Michigan State University hereby adopts a two percent rate increase for 1855 Place, University Village and Spartan Village apartments for the 2022-23 academic year.

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

Trustee Foster voted no.

THE BOARD VOTED to approve the recommendation.

B. Authorization to Plan—Farm Lane Bridge Replacement and Infrastructure Improvements

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for replacement of the Farm Lane Bridge and surrounding infrastructure.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "Farm Lane Bridge Replacement and Infrastructure Improvements."

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

THE BOARD VOTED to approve the recommendation.

C. Authorization to Proceed—Football Complex Renovation and Addition—Phase I

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to proceed with the initial phase of improvements to the Duffy Daugherty Football Building and related buildings and grant a zoning variance for the expanded facilities.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled "Football Complex Renovation and Addition—Phase I."

BE IT FURTHER RESOLVED, that the Board of Trustees of Michigan State University hereby grants a variance to the University zoning ordinance to permit construction within a building setback.

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

THE BOARD VOTED to approve the recommendation.

D. Authorization to Proceed—Spartan Stadium—Facility Upgrades—North & East Bowl Restoration and Audio Upgrades

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to proceed with the first elements of improvements to the Spartan Stadium infrastructure.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the projects entitled "Spartan Stadium—Facility Upgrades—North & East Bowl Restoration" and "Spartan Stadium—Facility Upgrades—Audio Upgrades."

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

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. Amendments to Bylaws for Academic Governance

The Trustee Committee on Academic Affairs recommends that the Board of Trustees approve amendments to the Bylaws for Academic Governance.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves the amendments to the Bylaws for Academic Governance included as Attachment A. (Appendix B)

Trustee Byrum **moved to approve** the recommendation, with support from Trustee O'Keefe.

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 *FibrosIX, Inc.*, a Michigan corporation, in which MSU faculty member Dr. Richard R. Neubig holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a service agreement with *FibrosIX, Inc.*, consistent with earlier public notice and with a "Purchase 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 *Great Lakes Crystal Technologies, Inc.*, a Michigan corporation, in which MSU faculty member Dr. 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.*, consistent with earlier public notice and with a "Service 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 *Great Lakes Crystal Technologies, Inc.*, a company in which MSU faculty member Dr. Timothy Grotjohn holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a contract with *Great Lakes Crystal Technologies, Inc.* consistent with earlier public notice and with an "Rights Allocation Agreement Term Sheet" presented to the Board for inclusion in its minutes. (Appendix E)

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 Michigan corporation, in which MSU faculty member Dr. 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.*, consistent with earlier public notice and with a "Service Agreement Term Sheet" presented to the Board for inclusion in its minutes. (Appendix F)

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 G)

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve an assignment agreement between Michigan State University and Stephen D.H. Hsu, an MSU faculty member.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an assignment agreement with Stephen D.H. Hsu consistent with an "Assignment Agreement Term Sheet" presented to the Board for inclusion in its minutes. (Appendix H)

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Portera Therapeutics, Inc.*, a company in which MSU faculty member Dr. Jetze Tepe holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an option agreement with *Portera Therapeutics, Inc.* consistent with earlier public notice and with an "Option Agreement Term Sheet" presented to the Board for inclusion in its minutes. (Appendix I)

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *RedoxBlox, Inc.*, a Delaware corporation, in which MSU faculty members Dr. James Klausner, Professor in the College of Engineering, Joerg Petrasch, Associate Professor in the College of Engineering, Kelvin Randhir, Research Associate in the College of Engineering, Nima Rahmatian, Research Associate in the College of Engineering, and Alessandro Bo, a doctoral student in the College of Engineering, owns or has options to buy, an interest in the company or are officers or paid employees of the company.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a Sponsored Research agreement with *RedoxBlox, Inc.*, consistent with earlier public notice and with a "Sponsored Research Agreement Term Sheet" presented to the Board for inclusion in its minutes. (Appendix J)

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Infrastructure Analytics Company*, a Wyoming corporation in which MSU faculty member Dr. Nizar Lajnef holds a financial interest.

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

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

Trustee O'Keefe said that he continues to have an issue with the conflict-of-interest disclosure on the contract forms and that he hopes the administration institutes a best practice type of disclosure relative to those contracts.

THE BOARD VOTED to approve the recommendations.

11. Committee on Student Life and Culture

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

The Board received updates on DEI Efforts and Initiatives and the Multicultural site.

I would like to note that the Turf Recreation Groundbreaking Event is today at 1 p.m. Student success and sustainable health are fundamental pillars of our strategic plan. I believe that success in college is not only about academic success, but also the physical, emotional, and mental health of our students. I am honored to represent the Board at the groundbreaking event today.

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

Dr. Stephanie Anthony, faculty liaison, provided the following report to the Board:

The faculty senate welcomes this opportunity to give remarks. This year, faculty senate has worked in good faith with the administration to restore compensation and benefits for faculty and academic staff through clear communication, collaborative approaches, and focused understanding. We have now had numerous conversations on this matter. Thank you. We look forward to a positive outcome. As a body the faculty senate has conducted its business regularly, we have endorsed the new discipline and sanctions policy, which we believe will be both impactful and transformational for the university and for the integrity of the caring and committed faculty that are part of this phenomenal institution. We have worked to support the caregiving Task Force as it prepares to submit preliminary recommendations for your consideration. The challenges that have presented themselves in the last couple of years have confirmed, more than ever, the caregiving giving needs of our constituents and MSU community members. We are in full support of enhanced caregiving assistance for the entire Michigan State University community. This is we believe, good work. We want to take this opportunity to thank Senator Mick Fulton, to my right, for his service as Chair of the University Committee on Faculty Affairs. He has chaired the UCFA as they consider the discipline and sanctions policy, compensation restoration, and the professor emeritus or emeriti policy. Thank you, Senator Fulton for your service. We also want to thank at large members, Senator Megan Donohue, Senator d'Ann de Simone and Senator Andrea Kepsel. Senator Jack Lipton, who was Chair of the University Committee on academic governance, Dr. Scott Imberman who is a professor of economics, and Dr. Matthew Comstock, Chair of the UCFA budget subcommittee for their tireless engagement in this good and necessary work of the faculty senate. We also celebrate the retirements and distinguished careers of many MSU faculty members who have contributed to the success of this institution.

Congratulations to each of them. We are proud and wish them well on their new, much deserved, and exciting journeys. On behalf of Dr. Karen Kelly Blake and I, I would like for you to know that we have been honored to serve as chair and vice chair of the MSU Faculty Senate. It has not only been an honor but an opportunity to make a positive difference for faculty, for staff and for our students. For the record, and beyond the obvious, we are also the first fixed term faculty to ever serve as both chair and vice chair. Therefore, it has been a double honor to represent the interest of MSU faculty. On a more somber note, we wish to acknowledge President Stanley, Provost Woodruff, CDO Bennett and other executive administration administrative leaders who have issued caring comments concerning the execution style killing of Mr. Patrick Lyoya. As shared previously, your remarks have conveyed your care and your support. Thank you for that and thank you to the board. We now ask that your advocacy be transferred to actionable steps in whatever ways that you can. In view of the university's deep roots in the Grand Rapids Community, we encourage the board to engage in some action that will produce tangible, real-world outcomes for those in the Grand Rapids community who are suffering from over policing and racial battle fatigue. We want you to know that academic governance is working. We are working and you certainly are working. Thank you. Let us continue to engage in this work together for the good and the wellbeing of the entire MSU community. Thank you.

Georgia Frost, student liaison, provided the following report to the Board:

Today I am joined by outgoing COGS President Sara Hugentobler, incoming COGS President Hannah Jeffery, RHA President Kaitlin Bolton, and at large representative Myesha Johnson. I will start with the COGS updates. At the March Council of Graduate Students council meeting a new executive board was elected for the 2022 to 2023 academic year and COGS is pleased to announce that all elected positions were filled. Joining us today in the room is Hannah Jeffery, the incoming COGS president. At our April meeting the Board was filled with the confirmation of our appointed positions. We are excited to see what this new board will achieve on behalf of graduate and professional students. Now to RHA's updates. As for legislation, we have two to report. As you must know there are certain departments, programs, and incentives on campus that are in much need of revamp and more support. One of the departments in need is the Gender and Sexuality Campus Center. For the second time this year RHA has allocated \$10,000 towards the center on campus. Although RHA is more than happy to allocate these funds to support our LGBTQ plus students on campus, we implore you to investigate and help support Vice President Gore in figuring out a way to better support our departments on campus that help our students the most. Our departments are not receiving the aid that they need nor are they on par with our sibling schools. The supplies, travel, and operations budget of MSU GSCC is \$17,205. Meanwhile, the University of Wisconsin's Gender and Sexuality Campus Center has \$55,300, the University of Minnesota's Gender and Sexuality Center for Queer and Trans life is at \$40,000, and just down the road the University of Michigan Spectrum Center has \$84,000. There is reason to believe that this money

was allocated to the centers because they are needed more than ever. I implore you to take time to support our students and the workers in SLA departments such as the GSCC that helped the students the most. The second important piece of legislation is to call the Board of Trustees and President Stanley to include a pool and Aquatic Center and the new IM facility. At the beginning of this year, a presentation was given to the Student Leaders Council about what the Student Fitness tax would be put towards. We were shown a beautiful facility that includes everything that students wanted. This presentation showed us a facility with a beautiful Aquatic Center for Students. We agreed to that facility. Students agreed to that facility. Currently RHA has a seat on the Health Wellness and Fitness Center Planning Committee and that is when we learned that the current plans for the facility have changed and that the new facility currently will not include an aquatic center. While the committee and students have a variety of opinions on most aspects of this new center, there is one that we have all been able to agree on. The new fitness facility needs to have an aquatic center. Not including this aquatic facility will be one of the biggest mistakes that you all make. There are two aquatic centers available on campus for students, IM West, and IM Circle, and with the destruction of the IM West facility, one of those will be taken away. These pools are needed for students for a variety of reasons. It is needed for accessibility of non-stressful fitness on those who might not be able to participate in any other kind of cardiovascular or any other type of fitness, for fundamental educational reasons, rehabilitation and physical therapy of athletes and students, club intramural sports such as our award-winning water polo team, synchronized swim team, club swim, and dozens of RSOs. And finally, it is a place where students can go to de-stress. From what RHA has been told this facility is being built to give more resources for our students and to be on par with our benchmark schools where these fitness facilities are considered. Not including a pool and this new facility will result in failures on both goals. Trustees please do not let our students down and go on to approve the building of a pool in this new facility. While RHA supports our swim and dive students and urge the board to reconsider that decision, this legislation is not about that. It is about the thousands of students who depend on and are asking for some sort of aquatic facility at this new facility, and it is your duty to build this facility for us for the students. Finally, along with ASMSU, RHA is pleased to announce the newly elected RHA president. She is not here today but her name is Belle Letcher. She was voted by our 52nd session to preside over the 53rd session General Assembly. She will begin on the first day of the summer semester. We will keep you all in the loop concerning the election and hiring of the rest of our board. But this is what RHA has for you today. It is my last time to think that I will sit in front of you all today and listen and report to all of you. It is crazy to think that next year I will just be Kaitlyn Bolton and not President Bolton. But I am excited to go into my last year of this university to hopefully help some other groups of students somewhere. However, I did just want to personally thank you all for the support that you have given me and the students I represent for the past two years. So, on behalf of myself and my team, we just want to say thank you and please keep doing the work you are doing. For the at-large updates, some Ramadan participants living on campus have expressed gratitude

for having prepackaged breakfast options in the dining halls, prayer rooms on campus, as well as student organizations and other lands and resources to support them. However, students have expressed concerns about having more time in the cafeteria after breaking their fast they currently have less than an hour. Students have also asked for prayer rooms in every neighborhood on campus. Many Muslims break their fast at nighttime and this may be an inconvenient time to travel on campus. Also, there currently are not any designated prayer rooms in East or South neighborhoods and the prayer rooms for North and River Trail are in the libraries. Having reflection rooms or prayer rooms in every residence hall would be ideal. Thank you, Board of Trustees and Vice President Gore for agreeing to increase the promotion of the current resources available for Muslim students in the future. And finally, for ASMSU updates, of which I am the president. I am pleased to announce the ASMSU has selected its undergraduate student body Office of the President over the past couple of nights. These meetings lasted from 7pm to 2am. And sharing these elections is why I am exhausted and knocked my name plate off the table. So, you will have to forgive me for that. But most importantly joining us today in this room is Jordan Kovach, the student body president-elect. Joe and the team of vice presidents and chief officers will be taking on their roles as the senior leadership team for the undergraduate student body on the first day of the summer semester, which is May 16th. Jordan is joined by Vipul Adusumilli, the incoming Vice President for Finance and Operations, Aaron Iturralde, the returning Vice President for Academic Affairs, Ishaan Modi, the returning Vice President for Governmental Affairs, Austin Grondin, the incoming Vice President for Internal Administration, and Hady Omar, the incoming Vice President for Student Allocations. A month ago, ASMSU also hired its two chief officers for the 2022-23 academic year including Chief of Staff Jack Harrison, and Chief Diversity Equity and Inclusion Officer Nadir Himid. Secondly, today is my birthday and this past week has been Earth Week and I am tremendously proud to state that ASMSU has worked with and co-sponsored legislation with MSU Sunrise Movement, who spoke to you today and has passed countless pieces of green legislation. Our internal Sustainability Team Cody Evans and Emily Hall Yampa successfully planned a week of programming to provide resources for and teach about the sustainability movement. I am hopeful that the eloquence of today's speakers and their calls not for a better future, but a future period do not go unanswered. I am also hopeful that the questions asked pertaining to calls for transparency in this process also do not go unanswered. I am sure that President Elect Kovach and the rest of the incoming office of the president for ASMSU can tell you that they will not stop advocating for these things. The advocacy is just that a request for action. We all need you to follow through on what this community so desperately needs and what the world so desperately needs. I also want to reflect on the statements from the previous athletes of the MSU swim and dive team, the MSU Swim Club and members of Battle for Spartan Swim and Dive. Similarly, to the topic I just discussed, ASMSU will have legislation supporting the effort of reinstatement as well as identifying creative solutions and our advocacy to get the decision makers back to the table. The administrators I routinely meet with as student body president have never responded to me when it has to do a Spartan

swim and dive. I can only characterize this response as bizarre considering that I have never been treated this way on any other topic before. Based on my conversations with these folks fighting for reinstatement I have learned that similarly, no one has bothered to answer their questions or work with them. These folks have found solutions for the obstacles cited that initially led to the cancelling of the program, and yet I have heard no response to this. Logically, it makes absolutely no sense to me. You at least owe these folks an explanation for why somehow this is all still insufficient. I truly hope that the lack of reinstatement is not because the university does not want to have made a decision to rather quickly reverse it. Being a leader myself, I have learned that I am going to be wrong sometimes. And if I never listened to people when they tell me this, I have effectively told my constituents that I know better than them on all topics. Being trusted to do a job does not mean I have never had to reconfigure my answer to something or had to apologize for a misstep. I have learned that that is leadership way more than constant reassertion that I will not change my decision when presented with viable and constant data showing that perhaps I have made a mistake. Though I cannot reinstate this team unilaterally, I hope that this profoundly strong community of people knows that the undergraduate student government stands behind you and cannot make sense of the lack of logic that has followed this process. My heart goes out to you even though my own personal competitive swim involvement ended with the diagnosis of a chlorine allergy. I hear you and ASMSU will always be willing to continue the fight. Finally, this is my last time addressing and working with the Board of Trustees. And I would like to say that I am hopeful that my successor and their team can continue to use this avenue for advocacy. I will genuinely miss attending these meetings and liaison to the board from ASMSU. But I will be honest, I am looking forward to retiring from my position and get back to just being Georgia. Thank you for your time and your invitation into this space and I wish all of you the best in the future. This concludes the report from the student liaisons as always Sara, Myeshá, Kaitlin, and I as well as our successors are available to respond to and promote student concerns. And we welcome engagement from the board administration, faculty and most importantly students. Thanks.

Chairperson Byrum thanked the student liaisons and wished Georgia Frost a Happy Birthday. She acknowledged the public speakers and thanked them for taking time to address the board. Chairperson Byrum said that the trustees do take public comments into consideration as they deliberate on the business of the university. She noted that this is the time of year that the Board of Trustees Scholarship awardees are recognized. Chairperson Byrum said that they will be formally recognized at a reception on May 5 with their families, and more importantly, receive a check for \$1,000 from the Board of Trustees. Chairperson Byrum congratulated Marti Heil on her retirement and presented her with an honorary resolution. (Appendix L)

Vice Chairperson Dan Kelly thanked Marti Heil for her service. He also congratulated the Board of Trustees Scholarship awardees and all the

graduates noting that one of those graduates happens to be his son. He noted that he and his wife are very proud that this marks their fourth MSU graduate, all of whom graduated on time and all of whom have jobs.

Trustee Foster noted the crystal award presented to MSU for the STEM building. She said that it continues to be recognized for its innovation and exceptionalism with recent recognition by the Associated General Contractors of America for 2021's Most Significant Project in the United States. Trustee Foster stated that last month the STEM building and the Project Delivery Team were selected as the sole recipient of AGCs 2022 ADC Build America Grand Award, rising above nearly two dozen other national build America award winners. She said that The Build America award recognizes the nation's most impressive construction progress projects across all building, highway and transportation, utility infrastructure, federal, and heavy sectors. Trustee Foster said that projects are selected based on demonstrated achievements and state of the art advancement, project management, innovation, construction techniques or materials, safety record, client service, community relations, environmental sensitivity and partnering excellence. She noted that the MSU STEM Teaching and Learning facility merged adaptive reuse with flexible learning infrastructure and sustainable mass timber materials to transform the long-abandoned Shaw Lane powerplant into a state-of-the-art learning space for science, technology, engineering, and math. She said that the STEM building is the first building in the state of Michigan, constructed with mass timber cross laminated timber technology. Trustee Foster said that STEM building is a magnet for MSU students and is a truly exceptional learning and gathering space. She congratulated Granger Construction, who built the project, and Dan Bollman for his leadership on this project. Trustee Foster thanked Executive Vice President Beauchamp and Dean Sousa for organizing a tour of the Flint medical programs earlier this month, noting that she toured with Trustee Tebay. She said that it was great meeting with faculty, students, and especially the community representatives who are so passionate about Flint. Trustee Foster acknowledged that, under Rodney Whitaker, MSU won a jazz competition at the Lincoln Center. She noted that there were eight invitees and that MSU finished number one and that competition. Trustee Foster said that it was great participating last Saturday in Izzo Legacy Run noting that they had over 3000 participants and that this was the third year the Izzo family has done the run. She said that they have raised over \$400,000 for local charities and that the Izzo family is truly a Spartan family. Trustee Foster thanked Marti Heil noting that it has been a pleasure to work with her over the decades. She especially thanked her for coming back in 2018 in a real time of need for this university and said that she considers her a great friend. Trustee Foster congratulated her colleague Renee Knake Jefferson on her nomination for the Board of Trustees. She also congratulated all the graduating class of 2022 and the Board of Trustees Scholarship recipients.

Trustee Knake Jefferson acknowledged all of the graduates and that it is Earth Day. She echoed the sentiments of her colleagues and thanked Dr. Frahinsky and Dr. Rodriguez Perrier for coming to the meeting and speaking about the teaching

focused faculty. She noted that she got her start on campus as a teaching focused faculty member and that she especially appreciates the concerns raised around the ability to have a voice and a vote. Trustee Knake Jefferson also noted the stark data presented regarding salary disparity in contrast to other institutions and even within MSU. She thanked them for bringing that to the Board's attention noting that is important work, not easy work, and thanked them for representing our very, very important teaching focused faculty. Trustee Knake Jefferson recognized the representatives from the Sunrise Movement and thanked them for making time to speak at the meeting and for encouraging the Board to do more and to think hard about how it can. She also recognized the work of Dr. Moore and the members of the MSU Ad Hoc Sustainable Investment Working Group and thanked them for giving the Board questions. She asked Secretary Scorsone to coordinate the answers. Trustee Knake Jefferson closed by saying Go green in honor of MSU and Earth Day.

Trustee O'Keefe wished everyone a Happy Earth Day. He indicated that he wanted to take an opportunity to really promote MSU's STEM program, which he knows is near and dear to Provost Woodruff. Trustee O'Keefe said that as he looks at all the youth and enthusiasm in the student body, he realizes that there is productive change in our future. He noted that this was the third straight meeting that the Sunrise Movement has expressed their opinions on the environment and fossil fuels. He stated that they are clearly passionate about the earth and recommended that perhaps they should consider seeking a STEM degree to be part of the research that is going to be required. Trustee O'Keefe said that this will be a long road to hoe given that as long as he can remember the so-called experts have predicted the earth is coming to an end, but yet, here we are. He said that the world is not ending in 2030, 2035, or any random date in the future. Trustee O'Keefe stated that at the current pace there may not be a solution until at least 2100, and as unpalatable as that sounds, we need to pick up the pace. He said that the issue is energy and that we consume a lot of it. Trustee O'Keefe said that it impacts every aspect of our life. He noted that even whale blubber has been around in indigenous communities, and is still used, it seems like forever. He stated that fossil fuels are not going away anytime soon. Trustee O'Keefe stated that the issue of divestment is an oversimplification of a very complex problem. He said that for Elon Musk's electric vehicles to be charged the electric grid needs to be increased two-fold just for vehicles. Trustee O'Keefe noted that of course this is in the face of an inadequate grid currently demonstrated by brownouts in Texas and the Northeast. He said that the very electricity that we rely upon is powered by coal, perhaps the dirtiest fuel and that nobody wants nuclear power in their backyard, which is a solution, with the reminder Three Mile Island and Chernobyl. Trustee O'Keefe said that then of course are the environmental issues associated with the mining of lithium nickel and cobalt, precious metals used to make batteries, that are not in great supply in the U.S. He noted that if you want to understand the reason people fight for Afghanistan and Ukraine is because that is where those precious metals are mined in great abundance by people who have no regard for the earth and use child labor like it is toilet paper. Trustee O'Keefe

said that the electric vehicle does not seem to be the solution in its current state. He said that wars with countries over precious metals is now the new version of mafia activity and that it may be interesting to follow the geopolitical landscape. Trustee O'Keefe said that solar may work in sunny areas like Florida, but not so much in the Midwest and that solar's issue is storage. He said that it is hard to inventory solar energy when you need it. He noted that wind power is bad for wildlife, and again, it is an intermittent power source not in abundance. Trustee O'Keefe said that wind simply runs counter to needs as it generates too much power when we need it and generates too little when we need more and that the storage capacity to account for this does not exist yet. He stated that landfills filled with scrap windmills also destroy the earth. Trustee O'Keefe said that General Motors, who cannot meet the governmental EPA standards by 2030, has made the robust proclamation that their production will be EV. He said that Toyota, the largest automaker in the world, laughed at such goals because they understand the environmental problem with batteries and the inadequacy of the electrical grid, without even addressing the earth with battery disposal. He said that electrifying the idle fleet will require a massive overhaul of the power grid and an enormous increase in power generation, which does not exist today in a clean form. He stated that we can expect improvements, but they will not come without a cost, as nothing does. He reminded everyone that there is no free lunch. Trustee O'Keefe said that Toyota has publicly warned about this, and that GM may be virtue signaling to win favor with those in power because they cannot meet the EPA standards and will need the government's help to stay in business. He noted that Toyota is not saying this cannot be done, just that the conversation is not anywhere near serious enough to get things done. He said that you can ignore reality, but you cannot ignore the consequences of ignoring reality. He stated that there is no one who does not believe in protecting the earth. He said that as long as we have a need for energy, we will probably use fossil fuels. Trustee O'Keefe said that this is based on when energy is found and that it is usually additive and not displacing. He said that there are lots of problems to be solved and that he sees all the great young minds in this room with hopes that they can solve them. He said that we need investment and passionate, creative minds. He suggested that perhaps there is a bigger role for them to play so that it is not to address a problem without a solution. He said that perhaps it is a STEM degree, noting that Provost Woodruff has taken applications and that MSU is making a huge commitment in this area. He said that we need passionate and creative minds to solve our energy problems. Trustee O'Keefe congratulated Marty Heil and wished her a great retirement noting her undefeatable attitude toward supporting MSU over a long stretch of time.

Trustee Scott wished everyone a Happy Earth Day. She said that the trustees had an opportunity to meet with the union leaders from on campus and that there is work on campus that oftentimes goes unrecognized. She shared her appreciation for the work that they do to keep campus as beautiful, to make sure we have power, and making sure that things run the way that they need to. Trustee Scott said that she hoped that there would be a formal recognition for the union workers on

campus. She thanked AD Haller for taking the Board on a tour of Jenison Fieldhouse and noted the dire facility needs for those athletes in the non-revenue producing sports. She noted the sad state of the building and that many local high schools have facilities that are much better than what we have for our Big 10 athletes. Trustee Scott thanked Marti Heil for her work on behalf of MSU and hopes that MSU will continue on the trajectory that she has set. She implored those who care so much about the university and have the desire to see it be everything that it can be, to think about giving. Trustee Scott offered her full support to AD Haller in efforts to get facilities to where they need to be so that the athletes have pride in what they are doing where they are practicing. She recognized the faculty and staff and acknowledged their sacrifices, commitment, and their greatness during COVID. She commended the way that they pivoted so quickly and noted the sacrifices they were asked to make regarding benefits and salaries. Trustee Scott said that she would like to do a public event to celebrate their efforts. She congratulated the Board of Trustees Scholarship Awardees and commended them on their academic achievements. Trustee Scott said that she was angered and saddened by the police incident in Grand Rapids. She noted that over policing is an issue for all Black people. Trustee Scott said that MSU has a strong connection to and is doing great work in Grand Rapids. She said that MSU, as an educational institution, needs to also be committed to affecting change and implored her colleagues to collectively implement something strategic in the Grand Rapids area. She said that now is the time to educate both police and Black people regarding traffic stops.

Trustee Tebay thanked Dr. Anthony for her liaison report and said that she finds her very inspiring. Trustee Tebay said that she is committed to working with Trustee Scott to do something in Grand Rapids and acknowledged that, as a white woman, she cannot imagine what it feels like to be in that situation but is committed to not getting desensitized to what her fellow community members feel on a daily basis. She said that she will continue to ask the question of what can be done. Trustee Tebay said that it is unfathomable that parents must worry about their children's wellbeing during traffic stops and that she asked that everyone accept the challenge to take positive action towards solutions. Trustee Tebay thanked the student liaisons for their service and noted that they are tremendous leaders. She thanked Dr. Beauchamp for coordinating the visit in Flint and looks forward to seeing the work being done there. Trustee Tebay thanked Marti Heil for her service and noted that academic fundraising is also important so that we can bring the best of the best into our university. She acknowledged the teaching focused faculty at MSU who are touching the lives of our students every day and said that they should be paid what they deserve. She thanked everyone for attending the meeting.

Trustee Vassar said that if you are silent about your pain, they will kill you and say that you enjoyed it. She asked for a moment of silence for the Grand Rapids family who lost their son, brother, uncle, and father and the countless families who have endured the heavy grief of losing loved ones at the hands of those commissioned

to protect. Trustee Vassar said that she looks forward to working with Vice President of Public Safety Marlon Lynch and Dr. Beauchamp to create constructive action and to communicate MSU's engagement in the struggle. She apologized for not being in person at the meeting noting that she was in San Diego for a professional conference. Trustee Vassar thanked the Sunrise Movement students for their resilience and said that she appreciates watching their evolution, thinking, and strategy to fight for causes they know are important. She said that their challenge of structures and their use of empowering language with individual calls for systems and environment change is refreshing. Trustee Vassar noted that they represent the work we are doing at MSU for changing the environment and the system so that students can be successful here and that she is happy for their success.


13. Request to Adjourn

On a motion by Trustee O'Keefe, supported by Trustee Tebay, **THE BOARD VOTED to adjourn** at 10:30 a.m.

Respectfully submitted,



Eric Scorsone
Secretary and Chief of Staff to the Board of Trustees



Fostering Societal Transformations in Attitudes Toward Neurodivergent Populations



Mariam Sayed, Dr. Laura Dilley
MSU Speech, Language, & Neurocognition Lab



College of
Communication
Arts & Sciences
MICHIGAN STATE UNIVERSITY

WHAT IS “NEURODIVERSITY”?

- Introduces **profiles of diversity** with strengths & weaknesses, rather than **pathologizing** individuals with different cognitive functions
- Removes stigma & labels of “disabled” or “inherently undesirable” people
 - autism, ADHD, epilepsy, schizophrenia, etc.



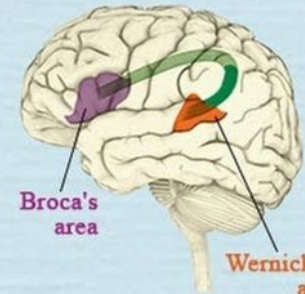
WHAT IS A ‘NON-SPEAKING’ AUTISTIC INDIVIDUAL?



- Autistic individuals who experience a restricted capacity to verbally express themselves
 - Stuttering, repetition, etc.
- $\frac{1}{3}$ of the autistic population have **limited ability to use speech** (Jaswal et. al 2020)



Broca's area is involved in the production of coherent speech.



Wernicke's area is involved in speech processing and understanding language.



AUTISM AFFECTS EACH BRAIN DIFFERENTLY

- There is no single method to “diagnose” autism
- Autistic individuals are speaking out against **inequity in access to unique AAC devices & discrimination** experienced



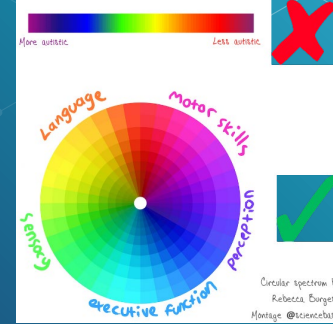
AAC device that meets specific needs of individual to communicate

Desire to communicate



Intellectually capable of communicating

What does the autism spectrum look like?



Assistance required for most AAC



One-size-fits-all AAC devices



Training focused on content known to assistant



Focused on newest technology

CONCEPTUAL FRAMEWORK: SOCIAL VS MEDICAL MODEL OF DISABILITY



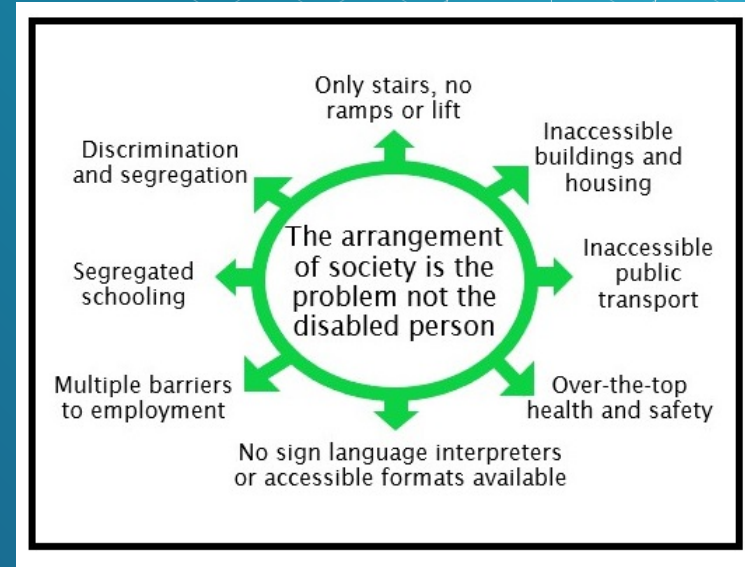
Her **impairment** is the problem!
They should cure her or give her prosthetics.

The **stairs** are the problem!
They should build a ramp.

The *medical model* of disability

The *social model* of disability

Image by UAA: <http://www.uaa.alaska.edu/accessibility/topic/architecture.cfm>



DEBUNKING STEREOTYPES ABOUT AUTISTIC INDIVIDUALS

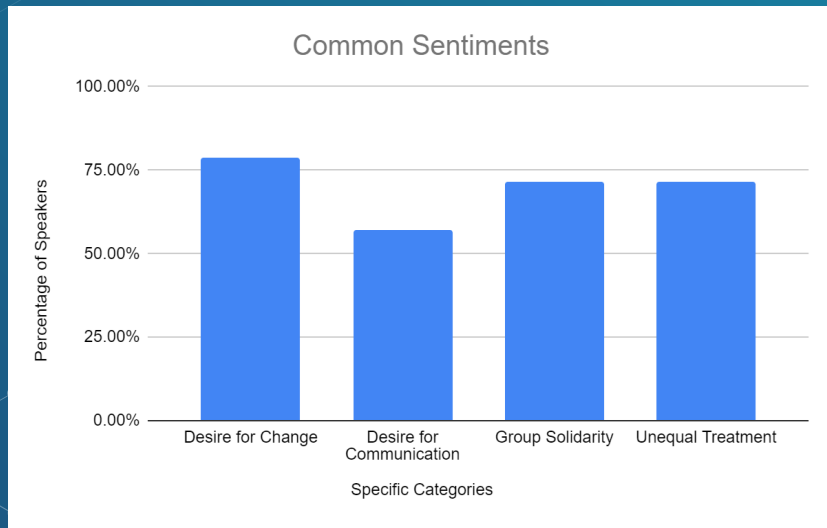


Figure 1. Graphical representation of the four most common sentiments expressed across all 14 speakers. **Desire for change** was the **most expressed sentiment (79%)** Other popular sentiments included: Desire for communication: 57.14%; Group Solidarity: 71.43%; Unequal Treatment: 71.43%



“I feel that I have many missed opportunities due to my unpredictable body...I am interested to see how I can make a difference.” -Arun

PROPOSED SOLUTIONS

- ◆ Head-mounted eye tracking devices as a primary form of AAC for nonspeaking autistic individuals
- ◆ Userframed language preferred by neurodivergent, nonspeaking autistic individuals
 - ◇ “Identity-first” vs “person-first” language
- ◆ Recognize autistic individuals aprofiles of diversity , rather than pathologized individuals



Uniquely fits needs of nonverbal autistic individuals with physical impairment



Previous studies show **increased speed, fluency, and accuracy**



Limited training required; works via visual fixation

WHY DOES IT MATTER?

- History repeats itself...
- Similar to how we view **race, religion, gender, & sexual identity** as forms of diversity
 - Each has experienced unique **discrimination & fought for their rights**

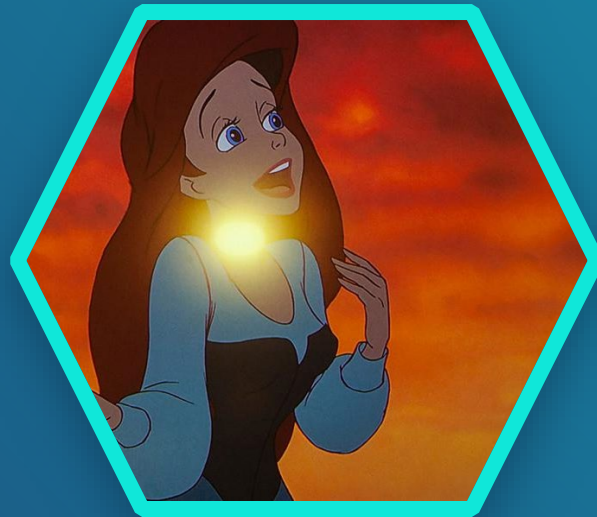




..FREELY EXPRESS
THEMSELVES.



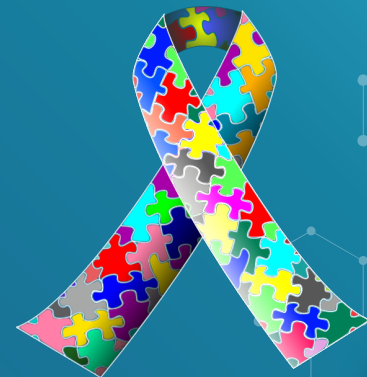
EVERYONE
DESERVES TO...



..HAVE A VOICE. AND BE HEARD.



..HAVE EQUAL
OPPORTUNITY.



THANKS!

ANY QUESTIONS?

- ◆ Jaswal, V. K., Wayne, A., & Golino, H. (2020). Eye tracking reveals agency in assisted autistic communication. *Scientific reports*, 10(1), 10.
- ◆ Osbarn, S. (2020). Wernicke's Area in Autism: rsfMRI study.
- ◆ Hughes, J. M. (2015). Changing conversations around autism: A critical, action implicative discourse analysis of US neurodiversity advocacy online (Doctoral dissertation, University of Colorado at Boulder).



Proposed Amendments to the *Bylaws for Academic Governance*

1.4.3. **Absences and removal.** Members who fail to attend ~~two meetings in a semester, or~~ three meetings in a single academic year, of a particular governance body designated in these *Bylaws*, ~~and who also fail to~~ without providing designees in their absences, ~~shall be removed~~ become eligible to be removed from the governance body, reducing its quorum until the members are replaced by procedures specific to the bodies. This provision does not apply to administrators who are ex-officio members of governance bodies.

1.4.3.1. When a member becomes eligible for removal, the Secretary for Academic Governance will report the members' absences to the body responsible for electing or appointing the member (e.g., the relevant College Advisory Committee for an elected Faculty Senate representative, the relevant Standing Committee for a Standing Committee Chairperson who misses four Faculty Senate meetings, the Faculty Senate for At-Large Members of the Steering Committee). The body must decide whether to recall the member by majority vote. If a member is recalled, the constituency must select a replacement in the same manner as the removed member was selected (unless these *Bylaws* specify a different process); if a member is not recalled, each subsequent absence renders them eligible for removal again.

1.4.3.2. Those who are members of a governance body by virtue of their service on another body (e.g., Standing Committee Chairpersons who serve on the Steering Committee, members of Faculty Senate who are automatically members of University Council) may miss four meetings of the bodies on which they serve. After five total absences from any combination of meetings, such members become eligible for removal.

Approved by:

University Committee on Academic Governance
University Council

March 17, 2022
March 22, 2022

Proposed Additions to the Bylaws for Academic Governance

4.10 University Committee on the Libraries

4.10.1. The faculty of each college and the non-college faculty shall elect one faculty member to represent it on the University Committee on the Libraries (UCL). The committee shall have one faculty representative from each of the colleges two undergraduate members chosen by ASMSU, and three graduate student members chosen by the Council of Graduate Students. The Dean of Libraries or a designated representative shall serve ex officio. The committee shall also have one ex-officio member chosen by the Library's internal faculty Steering Committee.

4.10.2. The UCL shall report to the University Council.

4.10.3. The chairperson of UCL will serve on The Steering Committee and thus on the University Council and the Faculty Senate.

4.10.4. The UCL shall provide for broad-based participation by University faculty and students in the policy-making of the Libraries. The committee shall serve in a consultative capacity on policy matters pertaining to the Libraries. The committee shall also serve as one of the channels of communication between the Libraries, the faculty, and the students.

4.10.4.1. UCL shall actively monitor faculty and student concerns about the Libraries' resources, policies, and services.

4.10.4.2. UCL shall work with the Dean of Libraries in developing the Libraries' programs and policies that meet and promote the instructional and research needs of faculty, students, and staff.

4.10.5. The Dean of the Libraries shall consult with UCL on the state of the libraries, including resources, services, and policies; the university commitment necessary to assure that the Libraries adequately supports the university mission of preservation, creation, transmission, and application of knowledge; and library policies and practices that have university-wide reach.

Approved by:

University Committee on Academic Governance	April 23, 2020	
University Council	September 22, 2020	
University Committee on Academic Governance	March 17, 2022	(Revisions)
University Council	March 22, 2022	(Revisions)

Approval of Contract Terms, *FibrosIX, Inc.*
April 22, 2022
Page 2

PURCHASE AGREEMENT TERM SHEET

Party: FibrosIX, Inc.

Agreement: MSU to purchase one Round Single Beam Ion Source from FibrosIX, Inc.

Payment Terms: \$4,675.00 to FibrosIX, Inc. for one Round Single Beam Ion Source

Services Provided: By MSU to FibrosIX, Inc.: None
By FibrosIX, Inc. to MSU: None

Use of University

Facilities/Personnel: None contemplated under this agreement

Organization Type: Michigan corporation

Personnel Interest: Dr. Richard R. Neubig, a Professor and Chair of the Department of Pharmacology and Toxicology, and members of his family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

Approval of Contract Terms, *Great Lakes Crystal Technologies, Inc.*
April 22, 2022
Page 2

SERVICE AGREEMENT TERM SHEET

Party: Great Lakes Crystal Technologies, Inc.

Project Description: Next Generation Diamond Materials for High-Resolution Quantum Sensors

Term: 02/14/22-11/13/22

Payment Terms: \$76,734 payment to MSU for services

Services Provided: By MSU to Great Lakes Crystal Technologies, Inc.: MSU will optically detect magnetic resonance (ODMR) to characterize the room temperature coherence properties of single color center defects as well as optical spectroscopy to characterize the approximate number and type of defect created

By Great Lakes Crystal Technologies, Inc. to MSU: None contemplated under this agreement

Use of University Facilities/Personnel: Work is to be performed at MSU's Biomedical-Physical Sciences Building by Dr. Johannes Pollanen, Dr. Marco Dantus, Dr. Elias Garratt, and Dr. Shannon Nicley

Organization Type: Michigan corporation

Personnel Interest: Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

RIGHTS ALLOCATION AGREEMENT TERM SHEET

Party:	Great Lakes Crystal Technologies, Inc.
Agreement:	Allocation of rights in intellectual property and rights to carry out follow-on research, development or commercialization. This agreement is required by the U.S. Department of Energy under the Prime Award (Contract No. DE-SC0022406) and relates to Sponsored Research Agreement Subcontract: "Next Generation Diamond Materials for High-Resolution Quantum Sensors"
Term:	Effective date to date of STTR project with option rights to MSU intellectual property extending up to 18 months thereafter.
Rights Allocation:	Ownership of intellectual property rights created under the Subcontract described above shall be consistent with MSU's patent and copyright policies. Great Lakes Crystal Technologies, Inc. will have an option to acquire rights to MSU technology developed with the STTR funds provided under the subcontract.
Services Provided:	By MSU to Great Lakes Crystal Technologies: None By Great Lakes Crystal Technologies to MSU: None
Use of University Facilities/Personnel:	None
Organization Type and Domicile:	Michigan corporation
Personnel Interest:	Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering, 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, *Great Lakes Crystal Technologies, Inc.*
April 22, 2022
Page 2

SERVICE AGREEMENT TERM SHEET

Party: Great Lake Crystal Technologies.

Sponsored Research Agreement: X-ray diffraction services

Term: April 22, 2022 – April 21, 2024

Payment Terms: Not to exceed \$32,000 to MSU to fund the testing services

Services Provided: By MSU to Great Lake Crystal Technology: X-ray diffraction analysis of materials.
By Great Lake Crystal Technology to MSU: None contemplated under this agreement

Use of University

Facilities/Personnel: MSU Facilities, Dr. Alexandra's Laboratory in the Engineering Building has an x-ray diffractometer.

Organization Type: Michigan corporation

Personnel Interest: Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering, 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, *EeroQ Corporation*
April 22, 2022
Page 2

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: EeroQ Corporation

Sponsored Research Agreement: Phase 6: On-chip charge sensor for single electron detection

Term: July 1, 2022 – December 31, 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.

ASSIGNMENT AGREEMENT TERM SHEET

Party: Dr. Stephen D.H. Hsu

Agreement Description: MSU will assign to Dr. Stephen D.H. Hsu the copyright to all existing *Manifold* podcasts, which were hosted by Dr. Hsu and Dr. Corey Washington, and related *Manifold* podcast materials, pursuant to Section IX of the MSU Copyright Policy.

Section IX of the MSU Copyright Policy contemplates instances in which academic University Authors, such as Dr. Hsu, may be assigned title to copyrights on University-owned material

MSU retains the right to use the copyrights for its internal purposes

Term: N/A

Payment Terms: MSU will provide to Dr. Hsu copies of existing episodes and supporting materials at MSU's cost for reproduction and transfer

Use of University Facilities/ Personnel: None

Organization Type: N/A

Pecuniary Interest: Dr. Hsu is a professor in the Department of Physics and Astronomy in the College of Natural Science.

Approval of Contract Terms, *Portera Therapeutics, Inc.*
 April 22, 2022
 Page 2

OPTION AGREEMENT TERM SHEET

Party: Portera Therapeutics, Inc.

Agreement: Option agreement for an exclusive world-wide license to the following:

TEC2016-0128, "Small molecule proteasome activators and uses thereof", US Patent Application 16/619,876

TEC2017-0020, "Treatment of malignancies," US Patent Application 17/490,999

TEC2022-0022, "Proteasome enhancers and uses thereof," PCT application PCT/US2021/045448

TEC2022-0023, "Proteasome enhancers and uses thereof," PCT application PCT/US2021/045446

TEC2022-0024, "Proteasome enhancers and uses thereof," PCT application PCT/US2021/045440

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.

Term: Two years from the effective date of the option agreement, with a one year extension available.

Financial Terms: Initial equity grant of Common Stock equal to 8% of Portera's fully-diluted equity calculated prior to Portera's Series Seed Preferred financing; second equity grant of Common Stock to be made in connection with Portera's next qualified financing to bring MSU up to 3.5% of Portera's fully-diluted equity on up to

\$10,000,000 raised in the next qualified financing.

License agreement financial terms to include:

- (1) Royalties on net sales of products in the range of 2% to 3%;
- (2) Non-royalty sublicense consideration of not more than 20%;
- (3) Pre-commercialization milestone payments in the range of \$100,000 to \$5 million but in no event greater than \$25 million in aggregate;
- (4) Minimum annual royalty payments not exceeding \$300,000 annually.

Services Provided: By MSU to Portera: None
By Portera to MSU: None

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

**Organization Type and
Domicile:** Delaware C-corporation

Personnel Interest: Dr. Jetze Tepe, a Professor in the Department of Chemistry and members of his family own or have options to buy an ownership interest of more than 1% of the company. Dr. Tepe is the scientific founder of Portera Therapeutics and is an officer in the company.

Approval of Contract Terms, *RedoxBlox, Inc.*
April 22, 2022
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SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: RedoxBlox Inc.

Agreement: US Dept of Energy Prime; Cooperative Agreement STORES Plus-Up

Term: 12/01/2021 - 05/31/2024

Payment Terms: \$344,045 to MSU

Services Provided: By MSU to RedoxBlox, Inc.: MSU will lay the foundation for low-cost, long-duration stationary electricity storage that will enhance grid resiliency, provide low-cost energy capacity, support grid infrastructure, and enable a greater share of intermittent renewable resources in the generation mix.

Use of University Facilities/Personnel: Trout Building; Dr. James Klausner

Organization Type: Delaware corporation

Personnel Interest: James Klausner, Professor in the College of Engineering, Joerg Petrasch, Associate Professor in the College of Engineering, Kelvin Randhir, Research Associate in the College of Engineering, Nima Rahmatian, Research Associate in the College of Engineering, and Alessandro Bo, a doctoral student in the College of Engineering, has or has options to buy, an interest in the company or are officers or paid employees of the company.

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: Infrastructure Analytics Company

Agreement: Infrastructure-to-Everything (I2X)
Communication Technology for Autonomous
and Connected Vehicle Support

Term: 03/21/22-07/01/22

Financial Terms: \$30,000 to MSU

Services Provided: By MSU to Infrastructure Analytics Company:
MSU will provide verification of prototypes in
small scale field deployment studies.

By Infrastructure Analytics Company to MSU:
None

**Use of University
Facilities/Personnel:** Engineering Building; Dr. Ali Zokaie and Dr.
Nizar Lajnef

**Organization Type and
Domicile:** Wyoming Corporation

Personnel Interest: Dr. Nizar Lajnef, a Professor in the Department
of Civil and Environmental Engineering owns or
has options to buy an ownership interest of
more than 1% of the company.

RESOLUTION HONORING MARTI K.S. HEIL
Michigan State University
April 22, 2022

The Michigan State University Board of Trustees today extends to Vice President for Advancement Marti K.S. Heil its deep appreciation for her years of dedicated service to this university, its students, employees, leadership and alumni.

Born and raised in Lansing, Marti Heil is a 1976 graduate of MSU's College of Communication Arts and Sciences with a bachelor's degree in advertising. She began her dedicated service to this university on March 21, 1980, working her way through the ranks as a development officer. She was promoted to the role of associate vice president for University Development in 1996, where she helped lead the university through the "Advancing Knowledge Transforming Lives" capital campaign, raising more than \$1.4 billion.

In 2009, Marti Heil officially retired from MSU and joined the Indiana University Foundation as senior vice president for development, where she spent four years managing principal and individual gifts, regional campuses, annual giving, talent management and marketing communications. She then became the vice president for development and alumni relations at Virginia Commonwealth University until April 2017.

Marti Heil was called out of retirement by her alma mater in October 2018 to oversee development and alumni relations, and to help MSU complete its most recent "Empower Extraordinary" capital campaign, which ultimately raised more than \$1.8 billion in critical financial support for the university. Most recently, she has begun laying the groundwork to position MSU for success in its next capital campaign. Her longstanding relationships with alumni, donors and university personnel, along with her lifetime of experience, have left an indelible mark on University Advancement and MSU.

In addition to a lifetime of professional service to MSU, Vice President Heil has been a longtime and faithful financial supporter, making her first gift to the Essential Edge fund in 1980. This past year, she was recognized in the prestigious Snyder Donor Society for her lifetime contributions to MSU.

For the vital relationships she has formed with financial supporters of MSU throughout her extensive career, her dedication and leadership, and in appreciation of her personal philanthropic support, the Michigan State University Board of Trustees offers its deep gratitude to Marti Heil on her retirement.