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

#### June 21, 2017

President Simon called the meeting of the Board of Trustees to order at 11:05 a.m. in the Board Room.

Trustees present: Brian Breslin, Dianne Byrum, Joel Ferguson, Melanie Foster, Dan Kelly, Mitch Lyons, and Brian Mosallam.

Trustee absent: George Perles.

University officers present: President Simon, Provost and Executive Vice President Youatt, Executive Vice President Udpa, Vice President and Secretary Beekman, Vice President and General Counsel Noto, Vice Presidents Burnham, Gore, Groves, Haas, Hsu, and Maybank. Faculty liaisons present: Laura McCabe and Phylis Floyd. Student liaisons present: Ashley Fuentes, Lauren Bernhardt, and Lorenzo Santavicca.

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

- 1. On a motion by Trustee Kelly, supported by Trustee Foster, the **BOARD VOTED to approve** the agenda.
- 2. On a motion by Trustee Breslin, supported by Trustee Mosallam, the **BOARD VOTED to approve** the minutes of the April 13, 2017 Board of Trustees meeting.
- 3. President's Report

President Simon provided the following report to the Board.

A. Student and Alumni Achievements

Amber DeJohn, a Michigan State University undergraduate student, earned the nationally competitive Beinecke Scholarship, which pays for graduate studies in the arts, humanities, and social sciences. She is MSU's third Beinecke Scholar since 2011. MSU's College of Engineering amateur radio team recently earned the highest university scores in the premier annual ham radio contest of Michigan.

MSU's LaNnisters won second place overall at the intercollegiate hackathon #GoogleGames in Chicago on April 2, 2017.

B. Faculty and Staff Achievements

The Agricultural and Applied Economics Association has bestowed the Bruce Gardner Memorial Prize for Applied Policy Analysis on a team led by Thomas Jayne, professor in the Department of Agriculture, Food and Resource Economics.

MSU Professor Melanie Cooper was named a fellow of the Royal Society of Chemistry.

MSU Professor Douglas Schemske was elected to the National Academy of Sciences.

C. University achievements

MSU was named one of this year's Fulbright Program "top producers" as announced in The Chronicle of Higher Education's February 19, 2017 online edition. This recognition demonstrates MSU's deep commitment to international exchange and to fostering stronger relationships between the United States and the more than 160 countries that take part in the Fulbright Program.

MSU has won an award for its commitment to increasing graduation rates and closing opportunity gaps for first generation, low-income and underrepresented populations through its Student Success Initiative. Presented by the National Research Center for College & University Admissions, the Eduventures 2017 Innovation Award honors higher education institutions that have demonstrated significant innovations in enrollment management, student success, and student outcomes.

MSU received the Best Overall Food Allergy Program Award for 2017. Culinary Services submitted an entry that highlighted innovative changes put in place to meet today's student's dietary restrictions.

The National Association of College and University Food Services awarded MSU a silver award for a large school in the Residential Dining—Special Event category.

MSU Licensing won the Campus Integration award for its collaboration among departments throughout campus over the past year, specifically for the State Your Loyalty program.

The MSU Department of Anthropology, Office of the President, and MSU Department of Infrastructure Planning and Facilities earned the 2017 Governor's Awards for Historic Preservation for the Campus Archaeology Program.

D. MSU's Our Commitment Website

President Simon took special note of the University's new "Our Commitment" website. "Our Commitment" is a central point for current information about ongoing critical sexual assault issues, the steps MSU is taking, and the changes it is making.

It gives information about Michigan State's work to combat sexual assault, improve patient care and safety, and protect youth on campus.

The website profiles some of MSU's people who are on the front line of victim response. It also outlines steps the University is taking to continue to build a community characterized by care and respect for others.

MSU has been a leader in that kind of engagement for many years.

This summer, in fact, MSU celebrates the 50th anniversary of the Office of the Ombudsperson. That Office was created in 1967 to reinforce respect and responsibility among students, faculty, and staff.

MSU has demonstrated Spartan caring in other ways. The Center for Service-Learning and Civic Engagement dates back to 1962. MSU today is an acknowledged national leader in service learning, and last year the Center recorded more than 27,000 volunteer registrations.

The MSU Student Food Bank was established in 1973 to assist students who need help with food for themselves and, very often,

their families. It's the oldest in the country to be run by students for students.

MSU Safe Place, established in 1994, was the country's first campus-based sanctuary and advocacy office for victims of relationship violence.

The MSU Police Department has operated its very highly regarded special victims unit for 20 years.

And today the University is determined to model best practices in fighting sexual harassment and assault.

President Simon encouraged everyone to visit the website, msu.edu/ourcommitment.

4. Personnel Actions

Provost Youatt presented the following personnel actions:

Askari, Kaveh, AY – Associate Professor, Department of English, \$85,000, with Tenure, effective August 16, 2017.

Drewlo, Sascha, AY – Associate Professor, Department of Obstetrics, Gynecology and Reproductive Biology, \$160,000, with Tenure, effective August 16, 2017.

Grotewold, Erich, AY – Professor, Department of Biochemistry and Molecular Biology, \$220,000, with Tenure, effective August 16, 2017.

Doseff, Andrea, AY – Professor, Department of Physiology, \$135,000, with Tenure, effective August 16, 2017.

DiCarlo, Stephen, AY-Professor, Department of Physiology, \$145,000, with Tenure, effective August 16, 2017.

Mahoney, Kristin, AY-Associate Professor, Department of English, \$85,000, with Tenure, effective August 16, 2017.

Wolfe, Scott, AY-Associate Professor, Department of Criminal Justice, \$90,000, with Tenure, effective August 16, 2017.

Bente, Gary, AY- Professor, Department of Communication, \$150,000, with Tenure, effective August 16, 2017.

Donnellan, Michael, AY-Professor, Department of Psychology, \$158,000, with Tenure, effective August 16, 2017.

Komogortsev, Oleg, AY-Associate Professor, Department of Computer Science and Engineering, \$140,000, with Tenure, effective August 16, 2017.

Kim, Kyonghee, AY-Associate Professor, Department of Accounting & Information Systems, \$232,000, with Tenure, effective August 16, 2017.

Saouma, Richard, AY-Associate Professor, Department of Accounting & Information Systems, \$240,000, with Tenure, effective August 16, 2017.

Ferris, Lance, AY-Associate Professor, Management Department, \$200,000, with Tenure, effective August 16, 2017.

Camp, Stacey, AY-Associate Professor, Department of Anthropology, \$80,000, with Tenure, effective August 16, 2017.

Sreevatsan, Srinand, AN-Professor-Pathobiology Diagnostic Investigation, \$190,000, with Tenure, effective July 1, 2017.

Gilad, Assaf, AY-Professor, Department of Biomedical Engineering, Department of Radiology, \$200,000, with Tenure, effective August 16, 2017.

Pelled, Galit, AY-Professor, Department of Biomedical Engineering, Department of Radiology, \$200,000, with Tenure, effective August 16, 2017.

Strunk, Katharine, AN-Professor, Department of Educational Administration, \$232,222, with Tenure, effective August 16, 2017.

Fitzpatrick, Kathleen, AN-Professor, Department of English, \$184,722, with Tenure, effective August 16, 2017.

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

**THE BOARD VOTED** to approve the resolution.

Provost Youatt presented the candidates for the awarding of tenure, effective July 1, 2017. (Appendix A)

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

**THE BOARD VOTED** to approve the resolution

President Simon presented the following personnel actions:

Hollis, Mark J, AN-Director of Intercollegiate Athletics, Subject to Contract, effective July 1, 2021 to June 30, 2022.

Izzo, Thomas, AN-Head Coach – Basketball, Intercollegiate Athletics, Subject to Contract, effective July 1, 2023 to June 30, 2024.

Rakan, Susan M (Suzy Merchant), AN-Head Coach – Women's Basketball, Intercollegiate Athletics, Subject to Contract, effective July 1, 2021 to June 30, 2022.

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

THE BOARD VOTED to approve the resolution.

Provost Youatt presented the following candidates for the designation of University Distinguished Professor, effective June 21, 2017:

Shanker Balasubramaniam	Departments of Computational
	Mathematics, Science and
	Engineering; Electrical and
	Computer Engineering
Pero G. Dagbovie	Department of History
Thomas Dietz	Department of Sociology,
	Environmental Science and Policy
Diane Ebert-May	Department of Plant Biology
Asgerally T. Fazleabas	Department of Obstetrics,
<b>.</b> .	Gynecology and Reproductive
	Biology
Gregg A. Howe	Department of Biochemistry &
	Molecular Biology, MSU-DOE
	Plant Research Laboratory
Venkatesh Kumar R. Kodur	Department of Civil and
	Environmental Engineering
Douglas A. Landi	Department of Entomology
Mark M. Meerschart	Department of Statistics and
	Probability
Sandi W. Smith	Department of Communications

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

THE BOARD VOTED to approve the resolution.

5. Gifts, Grants, and Contracts

Vice President Hsu presented the Gifts, Grants, and Contracts Report for the period March 16, 2017 through May 25, 2017. The report is a compilation of 550 gifts, grants, and contracts plus 60 consignment/non-cash gifts, with a total value of \$108,264,024.

Trustee Lyons **moved to approve** the recommendation, with support from Trustee Breslin.

THE BOARD VOTED to approve the resolution.

Vice President Hsu introduced Etienne Charles, Associate Professor of Jazz Studies in the College of Music. Professor Charles presented to the Board on his work with jazz music and performed for the Board. (Appendix B)

6. Finance Committee

Trustee Foster presented the Trustee Finance Committee Report and recommendations.

A. 2017-18 Budget Development Guidelines and 2018-19 Preliminary General Fund Budget Guidelines.

It was recommended that the Board of Trustees adopt the 2017-18 Budget Development Guidelines and 2018-19 Preliminary General Fund Budget Guidelines, which include revenue and expenditure totals and tuition and fee rates for 2017-18 and 2018-19.

BE IT RESOLVED, the Board of Trustees adopts the 2017-18 Budget Development Guidelines (Budget Guidelines) and 2018-19 Preliminary Budget Guidelines (Preliminary Guidelines); and

BE IT FURTHER RESOLVED, that the Administration is directed to develop and implement the 2017-18 General Fund, MSU AgBioResearch, Michigan State University Extension, and Intercollegiate Athletics budgets in accordance with the Budget Guidelines and to develop the 2018-19 Budget Development Guidelines in accordance with the Preliminary Guidelines.

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

### THE BOARD VOTED to approve the resolution.

B. University Rehabilitation Alliance Line of Credit

It was recommended that the Board of Trustees authorize the Administration to extend a revolving line of credit to the University Rehabilitation Alliance, Inc. ("URA"), a joint venture between Michigan State University and Peckham, Inc. ("Peckham"), a Michigan non-profit corporation.

BE IT RESOLVED, that the Board of Trustees hereby authorizes the Vice President for Finance and Treasurer to negotiate and execute appropriate documentation to provide a revolving line of credit to URA from MSU in the maximum amount of \$1.0 million, provided that Peckham provides an identical line of credit to URA contemporaneously with MSU's extension of credit.

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

#### THE BOARD VOTED to approve the resolution.

C. University Club Subordination Agreement

It was recommended that the Board of Trustees aid the University Club of Michigan State University in obtaining financing by subordinating the University's reversionary interest under a 1968 deed of property to the University Club.

BE IT RESOLVED, that the Board of Trustees of Michigan State University herby authorizes the Administration to enter into an agreement among the University Club of Michigan State University, the Board of Trustees of Michigan State University, and the Michigan State Federal Credit Union subordinating the University's reversionary interests in land deeded by the University to the University Club to the mortgage of such land to be granted to the Credit Union securing indebtedness of the University Club up to a maximum amount of \$5,500,000, and upon such other terms and conditions as may be acceptable to the Executive Vice President for Administrative Services. Trustee Foster **moved to approve** the recommendation, with support from Trustee Breslin.

THE BOARD VOTED to approve the resolution.

D. Fund Functioning as an Endowment—Frederic Neumann and Betty Jane Peterson-Neumann Fund for Radio Reading Service

It was recommended that the Board of Trustees establish a fund functioning as an endowment to provide support for the operation of the Radio Reading Service at WKAR.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby establishes a fund functioning as an endowment entitled "Frederic Neumann and Betty Jane Peterson-Neumann Fund for Radio Reading Service."

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

THE BOARD VOTED to approve the resolution.

E. Fund Functioning as an Endowment—Diana S. Cavett Endowment for English Literature

It was recommended that the Board of Trustees establish a fund functioning as an endowment to provide support for English literature in the College of Arts and Letters.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby establishes a fund functioning as an endowment entitled "Diana S. Cavett Endowment for English Literature."

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

THE BOARD VOTED to approve the resolution.

F. Grand Rapids Research Center—Long Term Lease with Spectrum Health Hospitals

It was recommended that the Board of Trustees authorize the Administration to negotiate and execute a lease with Spectrum Health Hospitals for research laboratory and office space at the Grand Rapids Research Center in Grand Rapids, Michigan. BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to enter into a lease with Spectrum Health Hospitals for a term of ten or more years and upon such other terms and conditions as may be acceptable to the Executive Vice President for Administrative Services.

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

**THE BOARD VOTED to approve** the resolution.

G. Purchase of Property in Leelanau County, Michigan

It was recommended that the Board of Trustees authorize the purchase of approximately 17.7 acres of vacant land in Bingham Township, Leelanau County, Michigan.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to purchase approximately 17.7 acres of vacant land located in Bingham Township, Leelanau County, Michigan from Cherry Bay Orchards, Inc. for \$170,000 and upon such other terms and conditions as may be acceptable to the Executive Vice President for Administrative Services.

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

THE BOARD VOTED to approve the resolution.

H. Authorization to Plan—2017-18 Capital Renewal Program

It was recommended that the Board of Trustees authorize the Administration to plan for three major maintenance projects identified through the University's capital renewal and energy conservation programs.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for three major maintenance projects identified as part of the 2017-18 Capital Renewal Program.

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

#### THE BOARD VOTED to approve the resolution.

I. Kellogg Hotel and Conference Center—First Floor Amenities and Space Renovations

It was recommended that the Board of Trustees authorize the Administration to plan for multiple, phased renovations at the Kellogg Hotel and Conference Center.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "Kellogg Hotel and Conference Center—First Floor Amenities and Space Renovations."

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

THE BOARD VOTED to approve the resolution.

J. Authorization to Plan—Music Building Addition

It was recommended that the Board of Trustees authorize the Administration to plan for an addition to the Music Building.

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

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

THE BOARD VOTED to approve the resolution.

K. Project Approval—Authorization to Proceed—Wilson Road Extension

It was recommended that the Board of Trustees authorize the Administration to proceed with redesign and reconstruction of Wilson Road to extend east and connect to Hagadorn Road.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled "Wilson Road Extension," with a pre-bid budget of \$11,500,000-\$13,500,000. Trustee Foster **moved to approve** the recommendation, with support from Trustee Byrum.

THE BOARD VOTED to approve the resolution.

L Project Approval—Authorization to Proceed—Wharton Center— Cobb Great Hall and Pasant Theatre Seat Replacement

It was recommended that the Board of Trustees authorize the Administration to proceed with the replacement of seating at the Wharton Center.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled "Wharton Center—Cobb Great Hall and Pasant Theatre Seat Replacement," with a project budget of \$1,500,000.

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

THE BOARD VOTED to approve the resolution.

M. Project Approval—Authorization to Proceed—Olin Health Center— Renovations for Student Health and Wellness—Phase I

It was recommended that the Board of Trustees authorize the Administration to proceed with Phase I of the renovations to Olin Health Center as a key step toward the integration of student health, counseling, and related services.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled "Olin Health Center—Renovations for Student Health and Wellness—Phase I," with a project budget of \$3,600,000.

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

THE BOARD VOTED to approve the resolution.

#### 7. Policy Committee

Trustee Byrum presented the Trustee Policy Committee Report and recommendations.

A. Approval of Patent Policy

It was recommended that the Board of Trustees approve revisions to the policy governing inventions by University faculty, staff, and students, patents on those inventions, and royalty payments received from the licensing of those patents.

BE IT RESOLVED, that the Board of Trustees hereby approves the revised Patent Policy effective July 1, 2017; and be it

FURTHER RESOLVED, that the Board of Trustees of Michigan State University authorizes the President to make any conforming changes to other University policies that are necessary as a result of this Board action. (Appendix C)

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

THE BOARD VOTED to approve the resolution.

B. Approval of Revisions to Academic Governance Bylaws

It was recommended that the Board of Trustees approve revisions to the Academic Governance Bylaws.

BE IT RESOLVED, that the Board of Trustees hereby approves revisions to the Bylaws for Academic Governance. (Appendix D)

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

THE BOARD VOTED to approve the resolution.

C. Approval of Contract Terms

It was recommended that the Board of Trustees approve a contract between Michigan State University and faculty member Dr. Peter C. Alegi.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Peter C. Alegi, consistent with earlier public notice given at a Board meeting and with the "Publishing Contract Term Sheet" presented to the Board. (Appendix E) It was recommended that the Board of Trustees approve a contract between Michigan State University and faculty member Dr. Glen Anthony Chambers, Jr.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Glen Anthony Chambers, Jr., consistent with earlier public notice given at a Board meeting and with the "Publishing Contract Term Sheet" presented to the Board. (Appendix F)

It was recommended that the Board of Trustees approve a contract between Michigan State University and MSU employee Dr. Juan David Coronado.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Juan David Coronado, consistent with earlier public notice given at a Board meeting and with the "Publishing Contract Term Sheet" presented to the Board. (Appendix G)

It was recommended that the Board of Trustees approve a contract between Michigan State University and *Digitouch Health, LLC,* a company in which faculty member Dr. Ramakrishna Mukkamala holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a license agreement with *Digitouch Health, LLC*, consistent with earlier public notice given at a Board meeting and with the "License Agreement Term Sheet" presented to the Board. (Appendix H)

It was recommended that the Board of Trustees approve a contract between Michigan State University and faculty member Dr. Kenneth Harrow.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Kenneth Harrow consistent with earlier public notice given at a Board meeting and with the "Publishing Contract Term Sheet" presented to the Board. (Appendix I)

It was recommended that the Board of Trustees approve a contract between Michigan State University and faculty member Dr. Kenneth Harrow. BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Kenneth Harrow consistent with earlier public notice given at a Board meeting and with the "Publishing Contract Term Sheet" presented to the Board. (Appendix J)

It was recommended that the Board of Trustees approve a contract between Michigan State University and *QuantumBio, Inc.*, a company in which faculty member Dr. Kenneth M. Merz, Jr. holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *QuantumBio, Inc.*, consistent with earlier public notice given at a Board meeting and with the "Sponsored Research Agreement Term Sheet" presented to the Board. (Appendix K)

It was recommended that the Board of Trustees approve a contract between Michigan State University and *QuantumBio, Inc.*, a company in which faculty member Dr. Kenneth M. Merz, Jr. holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *QuantumBio, Inc.*, consistent with earlier public notice given at a Board meeting and with the "Sponsored Research Agreement Term Sheet" presented to the Board. (Appendix L)

It was recommended that the Board of Trustees approve a contract between Michigan State University and faculty member Dr. Richard E. Sherman.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an independent contractor agreement for artist services with Dr. Richard E. Sherman, consistent with earlier public notice given at a Board meeting and with the "Independent Contractor Agreement for Artist Services Term Sheet" presented to the Board. (Appendix M)

It was recommended that the Board of Trustees approve a contract between Michigan State University and faculty member Dr. Thomas Summerhill. BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Thomas Summerhill, consistent with earlier public notice given at a Board meeting and with the "Publishing Contract Term Sheet" presented to the Board. (Appendix N)

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

THE BOARD VOTED to approve the resolutions.

G. Notice of Intent to Negotiate Contracts

Pursuant to State law, Trustee Byrum gave public notice of the University's intent to negotiate contracts with *Bio-Electrica*, a Michigan Corporation. Dr. Gemma Regura, an Associate Professor, and employees Rebecca Steidl and Alexander Grohalski, all in the Department of Microbiology and Molecular Genetics, and members of their familes have, or have options to buy, an interest in the company.

Pursuant to State law, Trustee Byrum gave public notice of the University's intent to negotiate contracts with *EeroQ Corporation*, a Delaware corporation. Dr. Johannes Pollanen, an Assistant Professor in the Department of Physics and Astronomy, and members of his family have, or have options to buy, an interest in the company.

Pursuant to State law, Trustee Byrum gave public notice of the University's intent to negotiate contracts with *QuHAnt, LLC,* a Michigan limited liability company. Dr. Timothy Zacharewski, a Professor in the Department of Biochemistry & Molecular Biology, Mr. Rance Nault, an employee in the Department of Biochemistry & Molecular Biology, and Dr. Dirk Colbry, an employee in the Department of Computational Math, Science, and Engineering, and members of their families have, or have options to buy, an interest in the company.

8. Trustee Comments

Trustee Breslin commented on the Board's reluctance to raise the rate of tuition and commended President Simon and the Administration for their work on the University budget.

Trustee Mosallam echoed Trustee Breslin's comments and he also spoke of his disapproval of Trustee Lyon's comments to the public. Trustee Mosallam asked the members of the student liaison committee for remarks.

Lorenzo Santavicca, President of the Associated Students of Michigan State University, spoke of the need to create an environment at MSU where sexual assault is unacceptable. Mr. Santavicca also spoke of the need for continuing progress on work against sexual assault on campus, as well as urging the Administration and Board of Trustees to be mindful as they create future budgets.

Ashley Fuente, President of the Council of Graduate Students, spoke of concerns that face the graduate and professional student population, such as the counseling and psychiatry service realignment, the City of East Lansing income tax, and the potential for a decrease in financial aid due to a new federal budget in 2019. Ms. Fuente also spoke of a set of initiatives that COGS is putting into place to provide resources and support for international students.

Lauren Bernhardt, President of the Residence Hall Association, spoke of RHA's hopes to create effective programming and budgeting in the upcoming year, and to support the CAPS realignment, as well as its desire to involve the student body in all decisions. Ms. Bernhardt also noted RHA's desire to work closely with the Administration and support initiatives such as the Go Green, Go 15 initiative, and to help students with initiatives they create and make the residence halls feel like home.

Trustee Foster congratulated Mr. Santavicca on his reelection, and welcomed Ms. Fuente and Ms. Bernhardt to the student liaison group. In addition, she spoke of the construction update that the Board received and her excitement for the improvements to the MSU campus.

Trustee Byrum spoke of her commitment to her position of University Trustee and of her disapproval of Trustee Lyon's comments to the public. Trustee Byrum asked members of the faculty liaison committee for remarks.

Faculty liaisons McCabe and Floyd spoke of the worries that faculty have regarding potential funding cuts in the federal budget and how this will affect students and research at MSU.

Trustee Lyons responded to the comments regarding his public statements from Trustees Byrum and Mosallam and also expressed his desire that such disagreements be handled in a more private manner.

Trustee Ferguson spoke of his desire for open and respectful communication among Trustees in all matters, and that, in the future, disagreements between Trustees can be handled in a less public manner.

- 9. There was no Public Participation on Issues Not Germane to the Agenda.
- 10. Request to Adjourn

On a motion by Trustee Ferguson, supported by Trustee Foster, **THE BOARD VOTED to adjourn** at 12:40 p.m.

Respectfully submitted,

Cele liman

William R. Beekman Vice President and Secretary of the Board of Trustees

## **APPENDIX B**

# RESEARCH PRESENTATION TO THE MSU BOARD OF TRUSTEES

JUNE 21, 2017

## ETIENNE CHARLES COLLEGE OF MUSIC

Facilitated by the Office of the Vice President for Research and Graduate Studies

### **Etienne Charles**

Etienne Charles is an award winning trumpeter, recording artist, composer, arranger, and associate professor of Jazz Studies in the College of Music. Jazz Times called Charles "A daring improviser who delivers with heart wrenching lyricism." According to Downbeat Magazine "Charles delivers his ebullient improvisations with the elegance of a world-class ballet dancer."

In 2015, he was the only musician worldwide to be appointed a John Simon Guggenheim Fellowship in music, and joined only 10 other musicians to ever receive the award. The 2015 Guggenheim fellows were selected from a field of 3,100 applicants and represent 51 disciplines and 63 different academic institutions. In making this appointment, the Guggenheim Foundation stated: "Perhaps more than any other musician of his generation of Eastern Caribbean origin, Etienne brings a careful study of myriad rhythms from the French, Spanish, English and Dutch speaking Caribbean to his work. Crucially, as a soloist, he fully understands the New Orleans trumpet tradition (which is readily discernible in his trademark instrumental swagger) and what famed Crescent City Pianist, Jelly Roll Morton so succinctly captured in the now immortal phrase, 'The Spanish Tinge'."

Etienne Charles's work has also been supported by grants from Chamber Music America and the Doris Duke Chartable Foundation.

In 2016, Charles was a featured panelist and performer at the White House Caribbean Heritage Month Briefing, and he received the Jazz at Lincoln Center Millennial Swing award. He was also the recipient of the 2016 Reuben O'D Askew Alumni Award from Florida State University. In 2012, he was inducted into the US Congressional Record.

It is important for MSU to have individuals of international renown in all fields. Strength in the arts and humanities is a core value of every great university. Etienne Charles, through music and his scholarship, brings new insight and understanding of humankind and the African-American experience and history as well as the African Diaspora. Jazz, which has its grassroots in the African-American cultural heritage, has been continuously evolving to include new traditions including the Afro-Cuban movement of the 40's with today's artists embracing their ethnic heritage. Charles is foremost among these artists and scholars.

#### ATTACHMENT A

**University Patent Policy** 

#### Introduction

Michigan State University's primary obligation in conducting research and scholarly activities is the pursuit of knowledge for the benefit and use of society. Consistent with its public service mission and with the laws and regulations governing federally-funded research, to which this Policy is subject, the University endeavors to foster the development of its inventions and discoveries through patenting and licensing to industry. A patent provides an incentive for a company to license an invention from the University and to invest in developing and marketing products based on the invention. Licensing proceeds provide a means for the University to recognize and reward the creative research efforts of inventors and to support additional University research.

#### I. Applicability and Administration of Policy

This Policy governs the ownership, protection, use, and commercialization of inventions and discoveries of University faculty, students, and staff.<sup>1</sup>

The President shall be responsible for administering this Policy and managing University Inventions, as hereafter defined. In consultation with the President and the Provost, the VPRGS may authorize exceptions to this Policy that he/she determines to be in the best interest of the University.

- II. <u>Ownership</u>
  - (a) All discoveries or inventions by a University employee which: (i) result from research which is supported by University funds or by funds controlled or administered by the University; or (ii) were created in a field of work or study directly related to that employee's scholarly or other academic endeavors at the University; or (iii) have been developed in whole or in part through the use of University resources or facilities, shall belong to the University (hereinafter "University Inventions").
  - (b) The University does not own discoveries or inventions created by students unless the student (i) is employed by the University (in which case the University's ownership is determined under the previous paragraph), (ii) made the discovery or invention using funds controlled or administered by the University, except grants or awards specifically designed to encourage student innovation and entrepreneurship, or (iii) made the discovery or invention in whole or in part through use of University resources or facilities other than those generally available to students. Students may elect to assign to the University their intellectual property rights in inventions or discoveries which the University does not own. If the University accepts such an assignment, the University will administer the student's discovery or invention as if it were a University Invention under this Policy.
  - (c) This Policy is applicable to discoveries and inventions made by faculty members and other University employees who engage in approved outside work for pay under the applicable University policy. An employee must disclose to MSU Technologies ("MSUT") inventions and/or discoveries made during the performance of outside work for pay. Ownership of discoveries and inventions made by faculty members and other University employees during

<sup>&</sup>lt;sup>1</sup> The University's policy concerning works of copyright is addressed separately in the *Development of Copyrighted Materials* policy.<sup>1</sup>

#### ATTACHMENT A

approved outside work for pay will be determined by MSUT in accordance with guidelines in the companion handbook to this Policy. Faculty members or other University employees engaged in approved outside work for pay shall not assign any rights in inventions or discoveries created during the outside work for pay unless the assignment is submitted to MSUT for its review and assessment prior to the start of the outside work for pay and MSUT determines that the inventions or discoveries to be assigned are not University Inventions.

(d) The University may choose to assign its ownership of University Inventions to their inventors or others when it is deemed to be in the best interest of the University to do so. The VPRGS will provide guidelines for such circumstances in the companion handbook to this Policy.

#### III. Assignment; Duty to Cooperate

All individuals subject to this Policy are (a) obligated to assign and do assign to the University all right, title, and interest in and to all University Inventions of which they are inventors; and (b) have a duty to cooperate with the University when it seeks intellectual property protection for such University Inventions and in complying with legal obligations to research sponsors relating to such University Inventions. The University shall control the administration and disposition of University Inventions in its sole discretion.

#### IV. Obligation to Disclose University Inventions

In order to assist the University in protecting University Inventions, University employees and students shall report any University Inventions to MSUT in a timely manner. As a general rule, such reports must be made prior to disclosing such discoveries or inventions through publications, presentations, or communications with third parties (including research sponsors) in a manner which may inhibit or preclude the University from obtaining patent protection.

#### V. Distribution of Revenue and Equity from Technology Transfer

(a) When they occur, the economic benefits arising from the commercialization of University Inventions will be shared among the inventor(s), the inventor's major administrative unit (MAU), and the University.

(b) The University will recover all direct cumulative expenses incurred for the patenting, protection (including litigation related to the patent), marketing, and licensing of each University Invention from its licensing proceeds before distributing the remaining net proceeds.

(C)

(i) For University Inventions with more than one inventor, all inventors must agree in writing to each inventor's share of the total percentage of net proceeds allocable to the Inventor(s), as set forth below. Absent such an agreement, the University will divide the inventors' share of the net proceeds equally among them.

(ii) Except as set forth in section V(c)(iii), distributions of net licensing proceeds will be made as follows:

### ATTACHMENT A

Net Licensing Proceeds on a Particular University Invention	Inventor(s)	Major Administrative Unit	University
First \$100,000	50%	25%	25%
Next \$900,000	30%	30%	40%
Over \$1,000,000	30%	10%	60%

(iii) The distribution of net licensing proceeds obtained under technology transfer agreements effective before \_\_\_\_\_, 2017 will be made as follows:

Net Licensing Proceeds on a Particular University Invention	Inventor(s)	Major Administrative Unit	University
First \$5,000	100%	0	0
Next \$100,000	33 1/3%	33 1/3%	33 1/3%
Next \$400,000	30%	30%	40%
Next \$500,000	20%	20%	60%
All Additional Net Licensing Proceeds over \$1,005,000	15%	15%	70%

(d) Consideration received by the University in connection with the commercialization of a University Invention may include shares of stock or other securities. The University or the Michigan State University Foundation, as the University's assignee, shall control the administration and disposition of any equity so received in its sole discretion, provided that any net proceeds deriving from the equity received will be distributed as license proceeds in the manner described above.

## Proposed Patent Policy Summary of Key Changes

The proposed patent policy was drafted in order to keep the University's policy consistent with the best practices identified by the Association of American Universities (AAU) Guidelines and after a thorough review of similar policies at other leading public research universities. Below are the key changes that are being made.

#### Affirmative Assignment

This is a small change needed to address the interpretation of the Stanford University v. Roche Molecular Systems, Inc. case by the U.S. Supreme Court and changes in patent law (American Invents Act, 2011). The existing MSU patent policy is silent on affirmative assignment of University Inventions. The new policy clarifies this in Section III to state "All individuals subject to this Policy are (a) obligated agree to assign and do assign" University Inventions to MSU. While a small legal detail, it can be problematic if there is ever a dispute over ownership of a University invention that becomes the subject of litigation.

#### Student Intellectual Property (IP)

The existing policy did not explicitly address ownership of student IP. This caused some confusion in interpretation of the following sentence in the <u>existing patent policy</u>: "...c) has been developed in whole or in part through the utilization of University resources or facilities not available to the general public shall belong to the University ('University Inventions')." Since dormitories, classrooms, and the like are not available to the general public, does this imply that IP developed by students in classroom projects or participation in entrepreneurial education belong to the University? <u>This is clearly not the intent nor the desired outcome</u>. The proposed policy clarifies in Section II(b) that students own their IP unless one of the three university ownership qualifiers (Section II(a) of the proposed policy) is triggered.

#### Example:

Student develops a flying drone in the context of working with fellow students in a "builders day" entrepreneurial event - no university ownership triggers, the student owns this IP.

A graduate student working as a research assistant under the direction of her professor supported by an NSF grant create a new transgenic plant – Ownership triggers (i)supported by funds administered by university, and (iii) developed in whole or in part through university facilities are both present, therefore University owns this IP.

The companion handbook provides more details to assist with administration of student IP.

#### Minimum Inventors Royalty Share

In the <u>existing patent policy</u>, the minimum royalty share for university inventors is 20% on net licensing revenues between \$505,000 and \$1,005,000, and is 15% on net licensing revenues over \$1,005,000. This current standard is out of the mainstream. In the <u>proposed patent policy</u>, the inventors' royalty share of 30% on net licensing revenues over \$100,000 is in the mainstream of CIC schools and other best practice schools. In reality, this applies to only a very small number of licenses.

#### ATTACHMENT B

#### IP Created in the context of Outside Work for Pay

The University recognizes that, through consulting and other relationships with government, industry, not-for-profit organizations, and others outside the University, its faculty members can make valuable contributions off campus while enhancing their expertise in their discipline. Inventions made in the course of University-sanctioned outside work for pay (OWP) can lead to conflicts. Faculty members who consult for industry or hold temporary industry jobs (e.g. summer work) are likely to be asked to assign ownership of inventions to their industry client or employer.

While in the current policy (Section II(c)), we implicitly claim the rights to inventions made in the course of OWP, in reality we do not see any invention disclosures to MSU from OWP activities. The proposed policy provides clarity for cases where the faculty member is working on the solutions to a company problem and may be creating IP that may belong to the company in the course of solving the problem. By requiring that all such IP is disclosed, we provide for greater compliance and transparency and increase the likelihood that we are capturing all University inventions.

#### University May Not Assert Ownership

The current patent policy is silent on the situation when the University may choose not to assert ownership to University Inventions to which it might otherwise be entitled to when it is deemed to be in the best interest of the University to forego its ownership claim. The silence on this matter is a source of frequent angst and confusion when it is implied that the University must claim ownership on all inventions in many situations when it is contrary to our interests to do so or be in violation of the MSU patent policy.

As a land grant university, MSU seeks to maximize its impact in teaching, research, and society engagement. Accordingly, there are circumstances when it is in the University's interest not to assert ownership:

- Testing services provided by MSU to industry partners such as clinical trials, agricultural field trials, process verification studies and process scale-up studies (e.g. Michigan BioEconomy Institute);
- OWP arrangements when the faculty member is working on a project where the company owns all of the background IP, and the IP created during the project is unrelated to the faculty member's research and scholarly work at MSU.
- When faculty are working with companies that have licensed MSU technology in order to improve the effectiveness of the licensed technology toward a commercial outcome. Under such circumstances, where the primary purpose of the outside-work-for-pay is to enhance the technology transfer of the licensed IP, and the invention is an improvement on a technology already licensed from MSU to the company under a license agreement in good standing, MSU may not assert ownership to inventions by faculty who are named inventors. <u>This change</u> <u>removes a major obstacle inhibiting venture capital investments in MSU startups</u>.

### ATTACHMENT B

### Exceptions to Policy

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The current patent requires any exceptions or interpretations of the Policy to be authorized by the President of the University. In the proposed policy, the VPRGS in consultation with the President, may authorize exceptions to the policy.

## MICHIGAN STATE

UNIVERSITY

APPENDIX D

June 21, 2017

### MEMORANDUM

TO: Trustee Policy Committee

FROM: June Pierce Youatt Executive Vice President and Provost

### **SUBJECT:** Approval of Revisions Academic Governance Bylaw Changes

### RECOMMENDATION

The Trustee Policy Committee recommends that the Board of Trustees approve revisions to the Academic Governance Bylaws.

### RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves revisions to the Bylaws for Academic Governance as presented in Attachment A.

#### BACKGROUND

Upon a careful review of the Bylaws, the revisions were initiated by the University Committee on Academic Governance. Over the course of the last academic year, Academic Governance has reviewed and approved the proposed revisions. All changes were approved by the Faculty Senate at its meeting on April 18, 2017.

In accordance with the Bylaws for Academic Governance (8.3.2.1), I have reviewed the changes, concur with the proposed revisions, and now request action by the Board of Trustees.

Cc: L. Simon, B. Beekman, S. Udpa, R. Noto, T. Curry, K. Zayko, G. Lourens



OFFICE OF THE PROVOST

Michigan State University Hannah Administration Building 426 Auditorium Road, Room 430 East Lansing, Michigan 48824

> Phone: 517-355-6550 Fax: 517-355-9601 provost.msu.edu

#### Summary of Recommended Bylaw Changes 2016-17

- 1. ASMSU leadership title changes:
  - 3.4.1.1: The Steering Committee will be composed of . . . (c) the <del>Vice Chairperson</del> Vice President of Academic Affairs of ASMSU . . .
  - 3.4.1.2.4: No student may serve more than two consecutive terms on the Steering Committee unless the student holds the office of President of COGS or ASMSU Vice Chairperson Vice President of Academic Affairs.
  - 4.4.1: The membership of the University Committee on Undergraduate Education shall include . . . of whom one must be the <del>Vice Chairperson</del> Vice President of Academic Affairs of ASMSU.
  - 4.9.1: The University Committee on Student Affairs (UCSA) shall have four faculty members . . . , including the Chairperson President of ASMSU; . . .
- 2. Committee Reports:
  - 4.2.2.2 The chairperson of each Standing Committee shall prepare a report at the end of each semester summarizing the activities and actions of the committee during that semester, and its projected activities for the next semester. The mid-year report will summarize matters of significant concern to the committee and will be submitted by December 31<sup>st</sup>. The end-of-semester summaries will be posted . . . .

APPENDIX E

### **PUBLISHING CONTRACT TERM SHEET**

Party:	Dr. Peter C. Alegi
Project Description:	Book series tentatively titled <i>African History and Culture</i> to be edited by Dr. Alegi and published by MSU Press. The project is expected to comprise a series of monographs and edited volumes on the topic.
Term:	Manuscripts will be edited at the rate of at least one per year.
Agreement:	Dr. Alegi will receive two (2) copies of each edition, plus the right to purchase for personal use on a non-returnable basis additional copies at a 40% discount from the retail price.
Services Provided:	By MSU to Dr. Alegi: Publication of the series By Dr. Alegi to MSU: Editing of the series of manuscripts
Use of University Facilities/ Personnel:	Not applicable
Organization Type:	Dr. Alegi is acting as an individual.
Personnel Interest:	This contract will be directly between Dr. Alegi, a Professor in the Department of History, and MSU.

## **APPENDIX F**

### **PUBLISHING CONTRACT TERM SHEET**

Party:	Dr. Glen Anthony Chambers, Jr.
Project Description:	Book series tentatively titled <i>Diaspora Series</i> to be edited by Dr. Chambers and published by MSU Press. The project is expected to comprise a series of monographs and collected essays on the topic.
Term:	Manuscripts will be edited at the rate of at least one per year.
Agreement:	Dr. Chambers will receive two (2) copies of each edition, plus the right to purchase for personal use on a non-returnable basis additional copies at a 40% discount from the retail price.
Services Provided:	By MSU to Dr. Chambers: Publication of the series By Dr. Chambers to MSU: Editing of the series of manuscripts
Use of University Facilities/	
Personnel:	Not applicable
Organization Type:	Dr. Chambers is acting as an individual.
Personnel Interest:	This contract will be directly between Dr. Chambers, an Associate Professor in the Department of History, and MSU.

## APPENDIX G

#### PUBLISHING CONTRACT TERM SHEET

Project

**Description:** Publication of a book tentatively titled *I'm Not Gonna Die in this Damn Place: Manliness, Identity, and Survival of the Mexican American Vietnam Prisoners of War.* The manuscript is expected to be included in the "Latinos in the United States" series.

**Term:** Immediate manuscript delivery

Agreement: Dr. Coronado will receive a royalty of 5% of net revenue from net copies sold for each edition of the work, 50% of all net revenues received for exploitation or disposition of secondary or subsidiary rights (such as digests, condensations, translations, or reprints) or sale of such secondary or subsidiary rights, ten (10) copies of each edition, plus the right to purchase for personal use on a non-returnable basis additional copies at a 40% discount from the retail price.

#### Services Provided:

**ded:** By MSU to Dr. Coronado: Publication of the book By Dr. Coronado to MSU: Authorship of the book manuscript

Use of University Facilities/ Personnel:	Not applicable
Organization Type:	Dr. Coronado is acting as an individual.
Personnel Interest:	This contract will be directly between Dr. Coronado, a Specialist in the Julian Samora Research Institute, and MSU.

## **APPENDIX H**

### **OPTION AGREEMENT TERM SHEET**

Party:	Digitouch Health, LLC
Option:	Exclusive license to patent rights and related know- how
Term:	Life of the patents
Technology:	MSU Invention Disclosure Nos.: TEC2013-0021 Methods and Apparatus for Determining Cuff Blood Pressure, US patent application Serial No. 14/012,124
	TEC2016-0022 Methods and Apparatus for Determining Cuff Blood Pressure, US provisional patent application Serial No. 62/217,331
	TEC2016-0082 Method of Cuff-less Blood Pressure Measurements, US provisional patent application Serial No. 62/303,074
	The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided that the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.
Technology's Potential Commercial Utilization:	Hemodynamic monitoring, including blood pressure monitoring
Payment Terms:	\$30,000 initial license fee payable to MSU; 4% royalty on net sales of stand-alone product; for components, payments on unit sales based on volume (up to 100,000 units - \$1/unit; 100,000 to 500,000 units - \$0.75/unit; 500,000 to 1 million units - \$0.50/unit; over 1 million units - \$0.25/unit); and 15% of revenue received by Digitouch from sublicenses in those cases where Digitouch includes Digitouch technology in the sublicense; 40% of revenue received by Digitouch from sublicenses in those cases where MSU patent rights and/or know-how is sole intellectual property sublicensed.

Approval of Contract Terms, Digitouch Health, LLC June 21, 2017 Page 3

Services Provided:	By MSU to Digitouch Health, LLC: None
	By Digitouch Health, LLC to MSU: None
Use of University Facilities/Personnel:	None
Organization Type:	Delaware corporation
Personnel Interest:	Dr. Ramakrishna Mukkamala, Professor in the Department of Electrical and Computer Engineering, and members of his family own or have options to buy an equity interest of more than 1% of the company.

APPENDIX I

### PUBLISHING CONTRACT TERM SHEET

Party:	Dr. Kenneth W. Harrow
Project Description:	Book tentatively titled <i>African Filmmaking Five Formations</i> . The project is expect to comprise a manuscript of 100,000 words in length.
Term:	Immediate manuscript delivery
Agreement:	Dr. Harrow will receive a royalty of 5% of net revenue from net copies sold for each edition of the work, 50% of all net revenues received for exploitation or disposition of secondary or subsidiary rights (such as digests, condensations, translations, or reprints) or sale of such secondary or subsidiary rights, ten (10) copies of each edition, plus the right to purchase for personal use on a non-returnable basis additional copies at a 40% discount from the retail price.
Services Provided:	By MSU to Dr. Harrow: Publication of the book By Dr. Harrow to MSU: Editing of the manuscript
Use of University Facilities/ Personnel:	Not applicable
Organization Type:	Dr. Harrow is acting as an individual.
Personnel Interest:	This contract will be directly between Dr. Harrow, a Professor in the Department of English, and MSU.

## **APPENDIX J**

### **PUBLISHING CONTRACT TERM SHEET**

Party:	Dr. Kenneth W. Harrow
Project Description:	Book series tentatively titled <i>African Humanities and the Arts.</i> The project is expect to comprise a series of monographs and collected essays on the topic.
Term:	Manuscripts will be edited at the rate of at least one per year.
Agreement:	Dr. Harrow will receive two (2) copies of each edition, plus the right to purchase for personal use on a non-returnable basis additional copies at a 40% discount from the retail price.
Services Provided:	By MSU to Dr. Harrow: Publication of the series By Dr. Harrow to MSU: Editing of the series manuscripts
Use of University Facilities/ Personnel:	Not applicable
Organization Type:	Dr. Harrow is acting as an individual.
Personnel Interest:	This contract will be directly between Dr. Harrow, a Professor in the Department of English, and MSU.

### SPONSORED RESEARCH AGREEMENT TERM SHEET

Party:	QuantumBio, Inc.
Agreement:	Subcontract under National Institutes of Health Federal Award Identification Number R44GM121162: "(SBIR Phase I) Development of the Movable Type free energy method for ligand placement in X-ray crystallography"
Term:	April 1, 2017 to September 30, 2017
Payment Terms:	Award amount of \$49,499
Services Provided:	By MSU to <i>QuantumBio, Inc.</i> : advance the software to allow placement of small drug-like molecules into a protein-active site to aid in early stage of X-ray refinement of protein-ligand complexes
	By <i>QuantumBio, Inc.</i> to MSU: None contemplated under the agreement
Organization Type:	Delaware corporation
Personnel Interest:	Dr. Kenneth M. Merz, Jr., Director of the Institute For Cyber Enabled Research, and members of his family have, or have options to buy, an ownership interest of more than 1% of the company.



#### SPONSORED RESEARCH AGREEMENT TERM SHEET

Party:	QuantumBio, Inc.
Agreement:	Subcontract under National Institutes of Health Federal Award Identification Number R44GM121162: "(SBIR Phase II) Development of the Movable Type free energy method for ligand placement in X-ray crystallography"
Term:	October 1, 2017 to September 30, 2019
Payment Terms:	Award amount of \$388,783
Services Provided:	By MSU to <i>QuantumBio, Inc.</i> : further advance Phase I efforts to develop the software to allow placement of small drug-like molecules into a protein-active site to aid in early stage of X-ray refinement of protein-ligand complexes
	By <i>QuantumBio, Inc.</i> to MSU: None contemplated under the agreement
Organization Type:	Delaware corporation
Personnel Interest:	Dr. Kenneth M. Merz, Jr., Director of the Institute For Cyber Enabled Research, and members of his family have, or have options to buy, an ownership interest of more than 1% of the company.

#### INDEPENDENT CONTRACTOR AGREEMENT FOR ARTIST SERVICES TERM SHEET

Party:	Dr. Richard E. Sherman
Agreement:	Non-exclusive services to engage local musicians for Wharton Center performances
Term:	July 1, 2017 to June 30, 2020
Payment Terms:	Commission to Dr. Sherman in the amount of 10% of the fee paid to local musician(s)*
Services Provided:	By MSU to Dr. Sherman: None contemplated under the agreement
	By Dr. Sherman to MSU: Identify and engage local musicians for Wharton Center performances according to the instructions provided by the touring engagement's musical director, coordinator, or orchestra conductor or by MSU when applicable; schedule and administer the operation of musical services, pay local musicians directly for service and cartage of instruments; attend first rehearsal and be on call for additional services; and provide itemized settlement for touring engagement
Organization Type:	Dr. Sherman is acting as an individual.
Personnel Interest:	This contract will be directly between Dr. Sherman, a Professor in the College of Music, and MSU.

\*The base rate for musician fees for the 2017-2018 performance season is \$145 per service and \$85 per sound check session. Local musicians required to play two or more closely related instruments, referred to as doubling, will be paid an additional 20% for the first double and an additional 10% for each additional double. A flat rate of \$100 will be included for large instrument transportation and/or instruments that require additional loading time and/or require the musician to arrive early.

## APPENDIX N

### **PUBLISHING CONTRACT TERM SHEET**

Party:	Dr. Thomas Summerhill
Project Description:	Book series tentatively titled <i>Global Studies in Rural Peoples,</i> <i>Movements, and Sustainable Systems.</i> The project is expect to comprise a series of edited manuscripts of collected essays to be published as both books and journals on the topic.
Term:	Manuscripts will be edited at the rate of at least one per year.
Agreement:	Dr. Summerhill will receive a royalty of 1.5% of net revenue from net copies sold for each edition of the work, 50% of all net revenues received for exploitation or disposition of secondary or subsidiary rights (such as digests, condensations, translations, or reprints) or sale of such secondary or subsidiary rights, ten (10) copies of each edition, plus the right to purchase for personal use on a non-returnable basis additional copies at a 40% discount from the retail price.
Services Provided:	By MSU to Dr. Summerhill: Publication of the series By Dr. Harrow to MSU: Co-editing of the series of manuscripts
Use of University Facilities/ Personnel:	Not applicable
Organization Type:	Dr. Summerhill is acting as an individual.
Personnel Interest:	This contract will be directly between Dr. Summerhill, an Associate Professor in the Department of History, and MSU.