

MARCH MEETING, 2016

*The University of Michigan
Dearborn
March 17, 2016*

The regents met at 3:33 p.m. in the Fairlane Center South, UM-Dearborn campus. Present were President Schlissel and Regents Behm, Bernstein, Ilitch, Newman, Richner, Ryder Diggs and White. Also present were Chancellor Borrego, Vice President Churchill, Vice President Harper, Executive Vice President Hegarty, Vice President Hu, Chancellor Little, Vice President Lynch, Vice President May, Provost Pollack, Vice President Rudgers, Executive Vice President Runge and Vice President Wilbanks. Regent Deitch was absent.

Call to Order and President's Opening Remarks

President Schlissel thanked Chancellor Little and his staff for hosting the board meeting and the community forum held in the morning. He said that he was pleased to hear from faculty, staff, students, and community leaders about the value of the Dearborn campus and its impact on the Detroit metro area.

President Schlissel congratulated three UM assistant professors that were selected as 2016 Alfred P. Sloan research fellows, described as "the next generation of scientific leaders." They are Paul Zimmerman, assistant professor of chemistry and Michael Cafarella and Honglak Lee, Morris Wellman Faculty Development Assistant Professors of Computer Science and Engineering, and assistant professors of electrical engineering and computer science.

President Schlissel said that the Lincoln Project of the American Academy of Arts and Sciences, co-chaired by President Emerita Mary Sue Coleman, would meet on

April 4, 2016 in the Michigan League. The Project has developed recommendations for public universities to promote economic growth nationally, and worked to enhance opportunity for all. The focus of the meeting will be “Public Research Universities: Serving the Public Interest in Michigan.”

On April 6, 2016 the Thomas Francis, Jr. Medal in Global Public Health will be awarded to Sir Fazle Hasan Abed for his contributions to the advancement of global public health. Sir Abed is the founder and chairperson of BRAC in Bangladesh, an organization that works toward “a world free from all forms of exploitation and discrimination where everyone has the opportunity to realize their potential.”

President Schlissel introduced five individuals recommended for honorary degrees to be awarded at spring commencement. Michael Bloomberg, recommended for a Doctor of Laws, is a business leader and philanthropist, former mayor of New York, and currently the United Nations Secretary-General’s Special Envoy for Cities and Climate Change. He will deliver the commencement address at the Michigan Stadium. Michael Brown, recommended for a Doctor of Laws, is chief executive officer and co-founder of City Year, a nonprofit organization dedicated to engaging young people in a year of national service. He will deliver the commencement address at the UM-Dearborn ceremony. Dr. Marie-Claire King, recommended for a Doctor of Science, is a pioneering molecular geneticist who led a research team that discovered the first gene, BRCA1, that when mutated increases a women’s risk of breast cancer. Dr. King is now the American Cancer Society Professor of Medicine and professor of genome sciences at the University of Washington, and she will deliver the address at

the Rackham's graduation ceremony. Michele Oka Doner, recommended for a Doctor of Fine Arts, is one of the nation's most distinguished artists and a UM alumna. Her highly acclaimed public art commissions include "A Walk on the Beach" at Miami International Airport and "Radiant Site" at New York City's Herald Square Subway Station. The Ann Arbor campus is home to several of her works. Finally, Dr. Beverly Tatum, recommended for a Doctor of Laws, is Spelman College's president emerita, renowned psychologist, and UM alumna. Dr. Tatum is a nationally recognized authority on race relations, and served as a visiting professor in the College of Literature, Science & the Arts for a semester commemorating the 50th anniversary of Brown v. Board of Education. She is the author of, *Why Are All The Black Kids Sitting Together in the Cafeteria? And Other Conversations About Race*.

President Schlissel said, "I now want to take a moment to address the Ann Arbor residents who have expressed concerns with our proposed transit and operation center in the northeast part of the city. Ann Arbor and its citizens are great neighbors, friends and partners of the University of Michigan. We strengthen each other tremendously, and UM would not be UM without Ann Arbor. Enhancing what I view as a symbiotic relationship is a crucial part of my job. The recent neighborhood meeting made it clear that the University must be more thoughtful and responsive when considering a development that adjoins a residential area. In the future, our efforts to consider community interests in designing and locating facilities will incorporate more formal outreach far earlier in the development approval process. I apologize that we did not live up to this commitment regarding the transit and operations center project.

We have put this project on hold. We have withdrawn all permits. I want us to take a fresh look at this project. We will do a better job of seeking and evaluating community input and I'm committed to working in partnership on all the issues raised.”

He turned the meeting over to Chancellor Little who introduced Dr. Samir Rawashdeh, assistant professor of electrical computer engineering.

Presentation: Wearable Motion Capture for Injury Prevention and Rehabilitation Assistance

Dr. Samir Rawashdeh said that his research has focused on wearable motion technology. His background is in aerospace where he worked on tracking the stars, and the motion of spacecraft. He also explored obstacle sensors and avoidance technology for drones. Wearable motion capture for health solutions is similar to the technology used to change the orientation of the screen on iPads and iPhones. Three sensors are placed on the human body: a compass, an accelerometer that measures acceleration orientation relative to the ground, and a gyroscope to sense rotation rates. This combination of sensors can then monitor movement of the human body. He spoke of applications for rehabilitation exercises and prevention of overuse injuries, such as shoulder injuries in baseball pitchers, or female adolescent soccer players and ACL knee injuries. The device named the ‘Rehab Buddy’ becomes a personal trainer of sorts and is helpful in rehabilitation protocol design and determining how much movement can take place, and how soon following surgery, for the best possible outcome.

Provost Pollack invited Dr. Rawashdeh to come to Ann Arbor to meet with faculty members in the School of Kinesiology.

Consent Agenda

Minutes. Vice President Churchill submitted for approval the minutes of the meeting of February 18, 2016.

Reports. Executive Vice President Hegarty submitted the Monthly Investment Report, and the Plant Extension Report.

Litigation Report. Vice President Lynch submitted the Litigation Report.

Research Report. Vice President Hu submitted the Report of Projects Established, July 1, 2015 – February 29, 2016. He announced that Professor James A. Shayman, developer of a new class of drugs for treating a group of rare but devastating congenital disorders, has been selected to receive the Distinguished University Innovator Award for 2016. Dr. Shayman is the Agnes C. and Frank D. McKay Professor of Internal Medicine and professor of pharmacology in the Medical School.

University of Michigan Health System. Executive Vice President Runge had no report.

Student Life. Vice President Harper thanked Central Student Government (CSG) and President Cooper Charlton for their continued work with Counseling and Psychological Services (CAPS) and mental health issues.

University of Michigan-Dearborn. Chancellor Little said that a Detroit Public Television approached the College of Health and Human Services for assistance with a documentary about mental illness called, *Ride the Tiger*. He said the campus was pleased to play a role in support of the important issue of bipolar disease.

Chancellor Little also reported a rare athletic triumph for the Dearborn campus. The men's hockey team won the Great Lakes Collegiate Hockey Tournament, qualifying them for the playoffs for the first time in 10 years.

Chancellor Little said that he recently testified before the Joint Higher Education Appropriations Subcommittee on the "community and metropolitan impact" of the Dearborn campus and the valuable contributions to the surrounding communities.

University of Michigan-Flint. Chancellor Borrego said that the Democratic presidential debate, held on campus during spring break, gave students many opportunities to participate and support various aspects of the televised debate. The Flint campus hosted its first opera production, *Hansel and Gretel*, directed by Dr. Joshua May, lecturer in applied voice. The performance incorporated children from the Flint Institute of Music, School of Performing Arts, the Flint Festival Youth Chorus, and UM-Flint students as paid professionals in the orchestra. She reported that the Michigan Board of Nursing recently approved several nursing programs. Water concerns continue in Flint; campus water is safe and continues to undergo regular testing, and the campus continues to serve the community through research and service.

Central Student Government Report. UM-Dearborn Student Government President Bradley Pischea expressed appreciation for moving the Dearborn regents' meeting to March allowing for more student and community involvement. He shared accomplishments, including engaged students in the political process, expanded health and wellness offerings, focus on counseling and disability services, assistance with the

Flint water crisis, and the collection of gifts during the holidays for Syrian refugee children. He said that inclusion is “part of the fabric on the Dearborn campus.”

Mr. Pischea reported that students are thrilled that spring commencement will be held at the Crisler Center. He closed by thanking CSG in Ann Arbor for their support and said it has been a pleasure to serve as president.

Regent Richner thanked Mr. Pischea for his efforts in Lansing and said that it makes a difference to have a student presence to convey the need for higher education funding.

CSG President Cooper Charlton spoke of continued advocacy for the expansion of the Testing Accommodation Centers on North and Central campus. The course evaluation process is reaching the finish line, and CSG continues to work with CAPS. He spoke of the planned renovations to the Michigan Union emphasizing its importance in terms of history and tradition.

Mr. Charlton acknowledged the recent death of a student and extended condolences to his family. He said that a loss such as this one can impact students in different ways, and the need for peer support and a culture of caring is important. He emphasized the need to commit to the gold standard of 1:1000 counselors/students and asked what better investment is there than the student body.

Voluntary Support. Vice President May submitted the report of voluntary support for February 29, 2016.

Personnel Actions/Personnel Reports. Vice President Runge brought forward a supplemental personnel item for Andrew L. Rosenberg, M.D., as interim chief

information officer, University of Michigan Hospitals and Health Center and Medical School.

Retirement Memoirs. Vice President Churchill submitted two faculty retirement memoirs.

Memorials. Vice President Churchill submitted memorial statements for William J. Linn, Ph.D., associate professor of English literature, UM-Dearborn; and Narasimhamurthi Natarajan, Ph.D., associate professor of electrical and computer engineering, UM-Dearborn.

Degrees. President Schlissel referred to the honorary degrees mentioned in his opening remarks.

Approval of Consent Agenda. On a motion by Regent White, seconded by Regent Behm, the regents unanimously approved the consent agenda as presented, including the supplemental personnel item.

Alternative Asset Commitments

Executive Vice President Hegarty reported on a commitment of \$37 million to Sequoia Capital U.S. Growth Fund VII, L.P., Sequoia Capital Global Growth Fund II, L.P., and Sequoia Capital India V, L.P.; a commitment of \$50 million to Berkshire Fund IX, L.P.; a commitment of \$25 million to BioPharma Credit Investments IV, S.a r.l.; a commitment of \$30 million to Kayne Anderson Energy Fund VII, L.P.; and a commitment of £10 million (~\$13.9 million) to this Moorfield sponsored co-investment opportunity.

Absolute Return

On a motion by Regent Ryder Diggs, seconded by Regent Richner, the regents unanimously approved a commitment of up to \$50 million, including co-investment opportunities, from the University's investment pool for working capital to THL Credit Direct Lending Fund III LLC.

Joseph Aldrich and Marguerite Knowlton Bursley Hall Dining Improvements

On a motion by Regent Newman, seconded by Regent Richner, the regents unanimously approved the Joseph Aldrich and Marguerite Knowlton Bursley Hall dining improvements project and authorized issuing the project for bids and awarding construction contracts provided that bids are within the approved budget.

University of Michigan-Flint FirstMerit North Building Operational Separation

On a motion by Regent Behm, seconded by Regent Ryder Diggs, the regents unanimously approved the University of Michigan-Flint FirstMerit North Building operational separation project and authorized issuing the project for bids and awarding construction contracts provided that bids are within the approved budget and that the University owns the property.

`42E Plaza Improvements

On a motion by Regent Newman, seconded by Regent Richner, the regents unanimously approved the `42E Plaza improvements project and authorized issuing the project for bids and awarding construction contracts provided that bids are within the approved budget.

Institute for Social Research Wing Two Elevators Replacement

On a motion by Regent Newman, seconded by Regent White, the regents unanimously approved the Institute for Social Research wing two elevators replacement project and authorized issuing the project for bids and awarding construction contracts provided that bids are within the approved budget.

University of Michigan Hospitals and Health Centers, West Ann Arbor Health Center

On a motion by Regent Newman, seconded by Regent White, the regents unanimously authorized issuing the University of Michigan Hospitals and Health Centers West Ann Arbor Health Center project for bids and awarding construction contracts provided that bids are within the approved budget.

Conflicts of Interest Items

On a motion by Regent Bernstein, seconded by Regent Newman, the regents unanimously approved the conflict of interest items that fall under the State of Michigan Conflict of Interest Statue. The following information is provided in compliance with statutory requirements:

Authorization for the University to Contract with Roberts & Limbrick Enterprises, LLC

An agreement with the Roberts & Limbrick Enterprises, LLC (the “Company”) to provide teaching, training and parent liaison work in the outreach programs was approved.

1. Parties to the agreement are the Regents of the University of Michigan and its College of Engineering Center for Engineering Diversity and Outreach and Roberts & Limbrick Enterprises, LLC.
2. The agreement is to provide teaching, training and parent liaison work in the outreach programs for CEDO. The total cost of the agreement is not to exceed \$30,000 through January 31, 2017.
3. The pecuniary interest arises from the fact that University of Michigan employee Byron Roberts is a partner of Roberts & Limbrick Enterprises, LLC.

Authorization for the University to transact with FreezerNanny LP

An agreement with FreezerNanny LP (the “Company”) for the purchase of wireless monitoring systems for ultra low freezers (-80 °C) was approved.

1. Parties to the agreement are the Regents of the University of Michigan and its Epidemiology and Psychology Departments and Freezer Nanny LP.
2. The agreement is a transaction for a one time purchase of Wireless Monitoring Systems for Ultra Low Freezers (-80 °C) for the Epidemiology Department: \$5,900 and Psychology Department: \$260.
3. The pecuniary interest arises from the fact that University of Michigan employees Manhong Dai, Tom Dixon, Fan Meng, and Ruth Freedman are co-owners of FreezerNanny LP.

Authorization for the University to purchase from Michigan Critical Care Consultants, Inc.

An agreement with Michigan Critical Care Consultants, Inc. (the “Company”) for a BioV AD Pump Head and Pump Chamber was approved.

1. Parties to the agreement and the Regents of the University of Michigan and its Department of Surgery and Michigan Critical Care Consultants, Inc.
2. The agreement is for a one-time purchase of a BioV AD Pump Head and Pump Chamber at a total cost of \$5,500.
3. The pecuniary interest arises from the fact that University of Michigan employee Robert Bartlett is a co-founder and shareholder of Michigan Critical Care Consultants, Inc.

Authorization for the University enter into an agreement with Brian Tell Consulting, LLC

An agreement with Brian Tell Consulting, LLC (the “Company”) for a leadership development program facilitation was approved.

1. Parties to the agreement are the Regents of the University of Michigan and its Office of University Development as well as the ADVANCE Program and Brian Tell Consulting, LLC.
2. The agreement is for program facilitation and leadership coaching services for the term of one year at cost of \$24,000.
3. The pecuniary interest arises from the fact that University of Michigan employee Catherine Lilly is a subcontractor of Brian Tell Consulting, LLC.

Research Agreement between the University of Michigan and Cour Pharmaceuticals Development Co., Inc.

A research agreement with Cour Pharmaceuticals Development Co., Inc. (the “Company”) to fund a project entitled "TIMP-BOOST Program" (ORSP# 16-PAF05160) was approved.

1. Parties to the agreement are the Regents of the University of Michigan and its Department of Biomedical Engineering, and Cour Pharmaceuticals Development Co., Inc.
2. The terms of the agreement will conform to University policy. The period of performance for the project is approximately two (2) years. The amount of funding support will not exceed \$22,000. Since research projects are often amended, this agreement includes a provision for changes in time and scope. University procedures for approval of these changes will be followed and additional conflict of interest review will be done as appropriate.
3. The pecuniary interest arises from the fact that University of Michigan employee Lonnie Shea is a part owner of Cour Pharmaceuticals Development Co., Inc.

Research Agreement between the University of Michigan and Cour Pharmaceutical Development Company, Inc.

A research agreement with Cour Pharmaceutical Development Company, Inc. (the "Company") to fund a project entitled "TIMP-ABiSE Program" (ORSP# 16-PAF05164) was approved.

1. Parties to the agreement are the Regents of the University of Michigan and its Department of Biomedical Engineering, and Cour Pharmaceutical Development Company, Inc.
2. The terms of the agreement conform to University policy. The period of performance for the project is approximately two (2) months. The amount of funding support will not exceed \$43,000. Since research projects are often amended, this agreement includes a provision for changes in time and scope. University procedures for approval of these changes will be followed and additional conflict of interest review will be done as appropriate.
3. The pecuniary interest arises from the fact that University of Michigan employee Lonnie Shea is part owner of Cour Pharmaceutical Development Company, Inc.

Research Agreement between the University of Michigan and Cour Pharmaceutical Development Company, Inc.

A research agreement with Cour Pharmaceutical Development Company, Inc. (the "Company") to fund a project entitled "TIMP-WPE Program" (ORSP# 16-PAF05165) was approved.

1. Parties to the agreement are the Regents of the University of Michigan, Department of Biomedical Engineering, and Cour Pharmaceutical Development Company, Inc.
2. The terms of the agreement conform to University policy. The period of performance for the project is approximately three (3) months. The amount of funding support will not exceed \$11,000. Since research projects are often amended, this agreement includes a provision for changes in time and scope. University procedures for approval of these changes will be followed and additional conflict of interest review will be done as appropriate.
3. The pecuniary interest arises from the fact that University of Michigan employee Lonnie Shea is part owner of Cour Pharmaceutical Development Company, Inc.

Research Agreement between the University of Michigan and Cour Pharmaceutical Development Company, Inc.

A research agreement with Cour Pharmaceutical Development Company, Inc. (the “Company”) to fund a project entitled “TIMP-JCP Program” (ORSP# 16-PAF05362) was approved.

1. Parties to the agreement are the Regents of the University of Michigan and its Department of Biomedical Engineering, and Cour Pharmaceutical Development Company, Inc.
2. The terms of the agreement conform to University policy. The period of performance for the project is approximately three (3) months. The amount of funding support will not exceed \$56,000. Since research projects are often amended, this agreement includes a provision for changes in time and scope. University procedures for approval of these changes will be followed and additional conflict of interest review will be done as appropriate.
3. The pecuniary interest arises from the fact that University of Michigan employee Lonnie Shea is part owner of Cour Pharmaceutical Development Company, Inc.

Option Agreement between the University of Michigan and New Vital Signs, Inc.

An option agreement with New Vital Signs, Inc. (the “Company”) to option from the University of Michigan the University’s rights associated with UM OTT File No. 5590, entitled: “Methods of Monitoring Intravascular Volume Status,” was approved.

1. Parties to the agreement and the Regents of the University of Michigan and New Vital Signs, Inc.
2. Agreement terms include granting the Company an exclusive option with the right to negotiate an exclusive license. Under such option, the Company will obtain evaluation rights for a period of time and reimburse patent costs. The University will retain ownership of the optioned technology and may continue to further develop it and use it internally. No use of University services or facilities, nor any assignment of University employees, is obligated or contemplated under the agreement. Standard disclaimers of warranties and indemnification apply, and the agreement may be amended by consent of the parties, such as adding related technology. University procedures for approval of these changes will be followed and additional conflict of interest review will be done as appropriate.
3. The pecuniary interests of University of Michigan employee Dr. Ward arise from his ownership interest in New Vital Signs, Inc.

License Agreement between the University of Michigan and Elegus Technologies, Inc.

A license agreement with Elegus Technologies, Inc. (the “Company”) to license from the University of Michigan the University’s rights associated with the following technologies:

UM OTT File No. 5346, entitled: “A Method of Crosslinking and Tailoring Aramid or Poly-Amide Networks;” UM OTT File No. 5420, entitled: “Dendrite Suppressing Solid Ion Conductor from Aramid Nanofibers and other Nanofibers Made by Layer-by-Layer Assembly and its Variants;” and UM OTT File No. 6763, entitled: “Branched Aramid Nanofibers and Composites Thereof,” was approved.

1. Parties to the agreement are the Regents of the University of Michigan and Elegus Technologies, Inc.
2. Agreement terms include granting the Company an exclusive license with the right to grant sublicenses. The Company will pay a royalty on sales and reimburse patent costs. The University may receive equity in the Company, along with the right to purchase more equity. The University will retain ownership of the licensed technology and may continue to further develop it and use it internally. No use of University services or facilities, nor any assignment of University employees, is obligated or contemplated under the agreement. Standard disclaimers of warranties and indemnification apply, and the agreement may be amended by consent of the parties, such as adding related technology. University procedures for approval of these changes will be followed and additional conflict of interest review will be done as appropriate.
3. The pecuniary interest arises from the fact that University of Michigan employees Dr. Kotov, Mr. Tung, and Mr. Hennessy are part owners of Elegus Technologies, Inc.

Approval of Academic Calendar for 2017-18, UM-Flint

On a motion by Regent White, seconded by Regent Bernstein, the regents unanimously approved the academic calendar for 2017-18 for UM-Flint as presented.

Approval of Department Name Change in the College of Arts and Sciences, UM-Flint

On a motion by Regent Ryder Diggs, seconded by Regent Bernstein, the regents unanimously approved the department name change of the Department of Earth and Resource Science to the Department of Geography, Planning, and Environment in the College of Arts and Sciences, UM-Flint.

Public Comment

The regents heard public comments from Daniel Bloch, student, on shortcomings in addressing needs of entrepreneurs; Katherine Griswold, alumna, on the UM Transportation Operations and Maintenance Facility; Sarah Steingold, citizen, Lola

Killey and Linh Song alumna, and Kimberly Pitts, citizen, on the UM Transportation Operations and Maintenance Facility.

Regent Bernstein said, “I want to say with respect to the bus depot that I am very much impacted and impressed by the comments today, and the advocacy work of these communities impacted. I strongly dispute the allegation that UM doesn’t care about its citizens. I think that’s completely false and outrageous. But I do recognize this advocacy effort by deeply concerned, enormously thoughtful, intelligent and engaged citizens, and you have been far more respectful and thoughtful to us than we have been to you in this process. You should know, and I’m not speaking on behalf of the board, or President Schlissel, but we are engaged to come to a favorable conclusion. What that conclusion is remains unknown at this moment but your effort has not been without impact.”

Public comments continued with Miriam Jewel, alumna, on freedom of speech for the support of Israel.

Regent Newman thanked her for coming and said that she recently met with Jesse Arm.

Brittney Williams, student, on increased budget for student mental health and wellness.

Regent Ilitch thanked Ms. Williams for sharing her story and for her courage and strength. She said that “mental health issues are close to my heart,” and close to the whole board. She asked Vice President Harper for information on the increased funding and staff. She also noted the Depression Center as an important resource.

Regent Ryder Diggs said that seven additional staff members were added this year for a total of 30. Vice President Harper said that counselors have also been embedded in the schools and colleges and there is an additional funding request in this current budget. The provost has been supportive of this as well and sees this as a priority.

Public comments continued with Ann Wibbelman, student, on Building a Better Michigan.

Regent White asked if they were working with Vice President Harper on a specific plan.

Ms. Wibbelman said that they are still working on their plans.

Regent White said, "Originally the students asked for about a \$200 fee, and it ended up being reduced by the board to \$65 and that is where there is a gap."

Ms. Wibbelman agreed and also noted that part of that was taken out and used for financial aid, adding to the funding discrepancy.

Adjournment

The meeting was adjourned at 5:05 p.m. The next meeting will take place on April 21, 2016 in Ann Arbor.