

**MINUTES OF A REGULAR MEETING
OF THE BOARD OF DIRECTORS OF THE
MASSACHUSETTS LIFE SCIENCES CENTER**

DATE: January 25, 2018
TIME: 10:00 a.m. EST
PLACE: Massachusetts Technology Collaborative
2 Center Plaza
Suite 200
Boston, Massachusetts

DIRECTORS PRESENT: Mike Kennealy (designee for Secretary Jay Ash)
Jennifer Sullivan (designee for Secretary Mike Heffernan)
Julie Chen (designee for UMass President Martin Meehan)
Gary Kearney
Pam Randhawa

DIRECTORS ABSENT: Peter Parker

1. Call to Order

Mike Kennealy called the meeting of the Board of Directors (the “Board”) of the Massachusetts Life Sciences Center (the “MLSC” or “Center”) to order at 10:05 p.m. The meeting, having been duly convened, was ready to proceed with its business.

2. Approval of Board Minutes

The Board then reviewed the minutes of the November 29, 2017 Board meeting. Upon a motion duly made, seconded and carried, the Board adopted the resolution to approve the minutes.

3. Chairs’ Updates

Mr. Kennealy indicated that he was pleased that the Center was prepared to vote on funding for construction of the Berkshire Innovation Center, an important investment for the western Massachusetts community. He also reported that the Governor delivered his annual State of the Commonwealth speech on January 23rd and confirmed that the state of the Commonwealth is strong.

Jennifer Sullivan, Assistant Secretary for the Executive Office of Administration and Finance, reported that Governor Baker and Lieutenant Governor Karyn Polito filed the Administration's 2018 fiscal year budget today.

4. CEO Update

Travis McCready reported on two discretionary grants: the first to Life Science Cares, a collective effort of the life science industry to eliminate the impact of poverty in the greater Boston area; and the second to the Boys & Girls Club of Taunton to support STEM education to underserved students in a Gateway City.

5. UMass Medical Device Development Center (M2D2) Challenge: Approval

Dr. Jennifer Griffin presented the M2D2 annual challenge to support seed and early-stage medical device and biotech companies. Corporate sponsors such as Amgen and Johnson & Johnson have committed to this challenge. The Center's funds would be used to support Massachusetts awardees' technologies through use of the resources at M2D2 and the core research facilities at UMass Lowell and UMass Medical School.

Upon a motion duly made, seconded and carried, the Board adopted the resolution to approve \$50,000 toward the M2D2 2018 Challenge.

6. Update and Proposal: NIIMBL Projects – Capital Funding for WPI and University of Massachusetts Lowell

Dr. Griffin summarized the National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL), which is a federal organization providing opportunities for industry and states to participate in project calls addressing technology and workforce development issues in biomanufacturing. She described the initial call for proposals which resulted in many of the proposals being rejected for non-substantive administrative reasons. As a result, NIIMBL determined that it would enable various state-supported proposals to re-submit and approved the two projects under consideration. Dr. Griffin described the Lyophilization Scale-Up technical proposal submitted by PSI Synthesis and the University of Massachusetts Lowell as addressing an unmet need in the Commonwealth.

Beth Nicklas then described the workforce development proposal submitted by a consortium of academic partners including Worcester Polytechnic Institute (WPI), North Carolina State and the University of Maryland. This project will create a network of

automated bioprocess test beds so that innovative processes can be developed and tested prior to their use in a GMP facility. In addition, Ms. Nicklas explained how it will enhance the existing value of WPI's Biomanufacturing Education and Training Center to its many industry clients.

In response to various questions from Board members, Mr. McCready described the processes NIIMBL and the MLSC undertook to vet and approve the proposals, stressed the return on investment of leveraging the federal dollars and participant cost shares, and explained that the equipment would be retained by the Massachusetts academic institutions for use with other projects. Ms. Nicklas noted that the Center's intention is to make sure the federal contract has been signed prior to the Center signing its agreement to commit the capital funds.

Upon a motion duly made, seconded and carried, the Board adopted the resolution to approve \$140,000 in capital funding for Worcester Polytechnic Institute to support the SPIDER Network project and \$1,000,000 in capital funding for the University of Massachusetts Lowell to support the Software and Hardware Tools for Pharmaceutical Lyophilization Scale-Up.

7. Update: NIIMBL Project Call 1.0 Review

Mr. McCready reported that a panel of biomanufacturing experts including Dr. Philip Vanek, General Manager of GE Healthcare's Cell Therapy Growth Strategy, Dr. Jie Chen, Vice President of CMC Operation at WuXi Biologics, and Bob Steininger, Director of Manufacturing Operations at Voyager Therapeutics participated in a review with the Board's Investment Committee and in-person presentations by Massachusetts applicants proposing to submit proposals to NIIMBL Project Call 1.0. As a result of this review, applicants were provided with feedback so that they could refine their projects prior to final submittal to NIIMBL's Project Call 1.0.

8. Update and Proposal: Berkshire Innovation Center

Mr. McCready introduced Steve Boyd and Rod Jané, project proponents for the Berkshire Innovation Center (BIC), and expressed the Center's support for this anchor institution to be constructed in Pittsfield. Mr. Boyd explained that the BIC would leverage the current strengths of western Massachusetts including its manufacturing know-how and robust academic institutions. The building to be constructed will be

20,000 square feet and will spur economic development by catalyzing the legacy businesses in the region, providing some incubation space for start-up companies, and offering a focal point for training, mentoring, and education for incumbent and new workforce.

Mr. Boyd reported that membership and usage fees by partners will enable the BIC to have a sustainable business model. Mr. Boyd then explained the reason for needing additional capital funds and the additional funding support from the City of Pittsfield. In response to inquiries from Board members regarding the viability of membership fees to support operating expenses, Mr. Boyd and Mr. Jané reported that various private donors have funded the BIC for the past four years despite delays in construction and that there is wide-spread interest from the community once construction is complete. Mr. Boyd also mentioned that the not-for-profit has engaged in conservative budgeting and undertaken a value engineering process to identify cost-cutting measures. Mr. Kennealy reported that from the Baker Administration's perspective, the BIC is a good project that has good community support and has been through an extensive vetting process to arrive at the best possible scenario. Jennifer Sullivan noted that there may be some cost savings associated with private construction of the project.

Upon a motion duly made, seconded and carried, the Board adopted the resolution to approve up to an additional \$2,300,000 in capital funding for construction and fitting-out of the Berkshire Innovation Center.

Adjourn

Mike Kennealy adjourned the meeting at 12:00 p.m.

List of Materials and Exhibits Used During Meeting:

- Board Agenda
- Minutes from November 29, 2017 Board meeting
- Motion: To approve the minutes from the November 29, 2017 Board meeting
- Motion: To approve investment in M2D2 \$200,000 Challenge 2018
- Motion: To approve capital funding for the NIIMBL-approved projects of the Worcester Polytechnic Institute and the University of Massachusetts Lowell
- Motion: To approve additional capital funding for the Berkshire Innovation Center