



**MLML Governing Board Meeting
10 May 2019**

MINUTES

Governing Board Voting Members in Attendance:

Michael Lee (Chair, CSU East Bay)
Mathieu Richaud (Vice Chair, CSU Fresno)
Michael Kaufman (SJSU)
Manny Gabet (SJSU)
Raj Prasad (SJSU Research Foundation)
Jim Murray (CSU East Bay)
Andrew Lawson (CSUMB)
James Lindholm (CSUMB)
Joanna Mott (CSU Sacramento)
Ron Coleman (CSU Sacramento)
Ritin Bhaduri (CSU Stanislaus)
Chris Scholin (MBARI)
Jim Harvey (MLML/SJSU, Director)
Nick Welschmeyer (MLML/SJSU)
Mike Graham (MLML/SJSU)
Emily Pierce (MLML Student Body)

Governing Board Alternates and Additional Attendees:

Joan Ficke (SJSU)
Pam Stacks (SJSU)
Amy Wagner (CSU Sacramento)
Sophie Bernstein (MLML Student Body)
Kathleen Donahue (MLML Asst. to Director)
Terra Eggink (MLML Graduate Program Coord.)
Brian Ackerman (MLML Marine Ops Manager)
Jocelyn Douglas (MLML EHS Officer)
Katie Lage (MLML Faculty, Librarian)
Scott Hamilton (MLML Faculty, Ichthyology)
Krista Kamer (CSU COAST)
Larry Samuels (CSUMB)

Start: 9:40 am

Minutes: Hannah Bruzzio

Agenda Revised:

Agenda was modified by Chair, Michael Lee to better accommodate member schedules

Acceptance of Fall 2018 Gov Board Meeting Minutes

SJSU Dean Michael Kaufman, College of Science (CoS) requested modification of Fall 2018 minutes discussion of MLML's acceptance as a CESU institution, to include that CESU has a cap on IDC rates and MLML should be cautious about using this funding source.

Open House

- 5000 visitors to MLML for Open House 2019
- Crowdfunding campaign open until 1 June.

Faculty

- New Chemical Oceanography Professor, Dr. Maxine Grand started Fall 2018
- Invertebrate Zoology Professor Dr. Jon Geller entered PRTB (pre-retirement, pay reduction). Dr. Amanda Kahn, alumnus of MLML will join MLML as the new Invertebrate Zoology Professor Fall 2019.
- The Visiting Scientist for AY18-19 is Kaitlin Bowman, a chemical oceanographer from UC Santa Cruz.
- MLML Consortium Faculty member from CSUMB, Dr. Cheryl Logan will serve as Visiting Scientist AY19-20.
- The Visiting Scientist posts for AY20-21 and AY21-22 have been advertised, posted online and sent to Governing Board members. COAST Director, Krista Kamer requested an email containing the job posts be sent to the Governing Board for ease in distributing throughout campuses and to colleagues.
- The post for Visiting Scientist AY20-21 closes 1 July. There are currently no CSU applicants.

Graduate Program

- 78 current students
- Higher than normal rate of non-MLML students taking classes here
- During AY18-19 MLML conducted a field course to Chile, and Dr. Luke Gardner, CA Sea Grant Aquaculture Specialist taught his first course on Aquaculture.
- MLML's Scholarship reception was held Monday. \$20,000 in awards were presented to 24 students.

- 21 students have been accepted into the program and will start Fall 2019.
- Members discussed how field courses are funded, number of students applying from consortium campus, and how to encourage students to apply through all the consortium campuses and not just CSUMB and SJSU.

Curriculum Committee Report

- Mike Graham: 3rd time teaching Chile class. Funded by private donation. Days of lecture and field work. Intensive class. No plans to have this class in the future because of a lack of funding. Working on South American student funding to bring those students up here. Cost per MLML student = \$1000 (airfare), out of pocket = \$500 minimum to \$800. There were 8 MLML students and ~20 South American students. Pick students whose thesis will benefit from the experience. \$1500 a person needed to keep it going.

Discussion: Should students pay themselves? Can MLML look for funding through international programs?

- 5000-8000 dollars spent by South Americans, for rooms, IT etc.
- South American students benefit heavily (cert. for resume, adv degree)
- MLML students get experience
- Fin fish aquaculture in SA is not great, MLML would need to build in program to expand in this way – building partnerships with programs like that with the aquaculture facility/class here
- Aquaculture class – Luke Gardner, Aquaculture Specialist was appointed to MLML by CA Sea Grant in 2018. MLML pays 25% of his salary, the rest is paid by CA Sea Grant via UC San Diego.
- Aquaculture class project – uncontrolled purple urchin grazing, students built the tank system, brought urchins in and fed them 3 different diets, looking at which diet is best.

Discussion: MLML could bring in a chef to explain the culinary value of these urchins and which one of these diets would be best from that aspect. Potentially doing a new project each year. Extension and outreach opportunities with this class are huge. Graham announced there would be media coverage of a meeting he is having with a restaurant specializing in aquaculture-produced menu items.

Budget Reports

- MLML has been delaying making important financial and budgetary decisions because of admin campus decision to be made.
SJSU Tower Foundation – donations to the lab (philanthropic). Not a huge part of the budget right now. Hopefully, MLML is going to start trying to do more fundraising to make it a larger part. Gov Board report shows donations made to the lab for general operations; these funds are not tied to a specific program, area of research or scholarship.

SJSU Research Foundation (RF) – SJSU’s administration of grants.

- Director of RF, Raj Prasad requested that the budget report be revised to reflect a \$125k supplement given to MLML in AY17-18. MLML confirmed that money was spent the year received. RF runs a calendar year while MLML runs an academic year, hence, the discrepancy.
- MLML receives return of a portion of FA generated by grants, and receives revenue from Sandholdt and Del Mar property rents.
- Funds pay for some salaries in IT, facilities, and marine ops.
- Refinancing account – is a deficit incurred by MLML when the Sandholdt property was purchased by RF. 10% of MLML’s F&A return each year goes towards this debt.

State – funds from CSU via SJSU and College of Science – funds the academic program at MLML.

- SJSU held salary funding centrally this academic year to identify actual operating costs for each department. In addition, Student Assistant hours were allocated to each division, rather than funds.
- Dean Kaufman advised that this will be the same for AY19-20.

Discussion: What revenue comes from tuition? MLML does not directly get any tuition money. Budget allocations are based on needs of the department.

Sea Water Pump System

- MLML continues to increase capacity of the sea water pump system. There is a large strain now that Aquaculture projects are ramping up.
- Chris Scholin, MBARI asked if there is an option of pumping more water in, alternating the two lines. Theoretically MLML could have both running at once.
- Currently, capacity is at a little more than half of the total amount of tanks that one intake line could handle.
- Stability of the intake pipes in the ocean continues to be a big issue.

CSU Review Team and Administrative Campus Update

- Chancellor sent a team to review the issue of MLML’s operating institution. The Gov Board provided input in this process. The review team met with MLML, SJSU, and CSUMB. The Gov Board crafted a response to the review team report and asked about the fate of the Governing Board.
- Chancellor accepted the recommendations by the review team and is moving forward with an implementation process.
- MLML Consortium campus Presidents were issued a memo notifying them that a working group will be chosen from a list of nominations from each Consortium campus President, this workgroup would develop an implementation plan.
- The consortium model will remain in some form and SJSU is looking forward to taking a bigger leadership role in support of MLML.

- Uncertainty is lifted and it is time to move forward to see what the Governing Board can do and how philanthropic efforts can increase for MLML.

Discussion: In order to see a benefit of helping MLML, a president of a CSU campus without students at MLML will have a hard time putting forth time fundraising for MLML if their campus does not get any benefits from the work being done here. There is a disconnect as to whether MLML is a top marine lab or a facility for CSU students? Concerns were raised about whether the governing board would go away. Potential role of the governing board will be to meet and review curriculum that would be accepted towards the Master's degree.

- Should the Gov Board formulate a response to the chancellor report, talk about gaps in the report and highlight the need to flesh out and get answers to these gaps? Time is important here and this response would have to be sent relatively quickly.
- Concerns were voiced over the labelling of MLML as an affinity group. MLML is not the same as other affinity groups. It might be under the same umbrella but it is different.
- Administrative role of the governing board is not made clear by the report.
- The chancellor affirmed that MLML is an asset to the CSU.
- The Student Body claims that MLML students are happy about mentions of help from campuses like CSUMB in housing, health and fitness, mental health, etc.

Discussion: What are the next steps for replying to the chancellor's office about this report? How can CSUs that are separated by distance get involved in research opportunities here at MLML? How can they encourage undergrad students to travel to MLML for classes? If MLML becomes a pay to play institution, how can you feasibly get the other campuses involved and make it worth their while? Week long intensive courses? Online courses?

- CSUMB is committed to providing housing for students and faculty who want to do research and take classes at MLML from every CSU campus.
- Should all the consortium campuses be involved in the building of the Academic Village so that they all have a stake in the usage of that housing for their students and faculty who would like the use MLML facilities?
- All consortium campuses need to benefit when they give money and have influence at MLML.

Discussion: The review team report is as an opportunity to maintain MLML as a marine lab on a national scale. There needs to be a balance for MLML faculty; they are teachers, advisors, researchers, and there is stress put on them when talking about taking on more students and offering more classes. Consortium campuses using the facility during the summer might be an ideal time to bring more students in and really emphasize the importance of MLML.

Motion to draft a letter to the chancellor

- A small committee of Governing Board members was created to draft a letter to the Chancellor regarding certain gaps in the Review Team's report and that the Governing Board would like a stake in the re-envisioning of the consortium.

Visiting Scientists

AY18-19

- Dr. Katlin Bowman, Postdoctoral Research Scholar with the Department of Ocean Sciences at UC Santa Cruz.
- Dr. Bowman's research focuses on Marine Biogeochemical cycles and genomics.
- She has recently joined MLML's Adjunct Faculty with PI status and is conducting research through MLML.

AY19-20

- Dr. Cheryl Logan, Associate Professor in the School of Natural Sciences at CSU Monterey Bay has been selected as MLML's Visiting Scientist for AY19-20, Cheryl is a member of MLML's Adjunct Faculty and has been collaborating with the MLML Faculty and advising students for several years.

AY20-21

- The position has been posted and advertised throughout the CSU and it is also in the packet, please distribute. Post closes 1 July 2019.

AY21-22

- The position has been posted and advertised throughout the CSU and it is also in the packet, please distribute. Post closes 1 July 2020.

Marine Operations

- The MLML Fleet is aging, marine ops is getting ready to replace engines on the John Martin. A Moyer grant from the California Air Resources Board was acquired to help with this, which will result in fuel and carbon savings.
- Outboard motor/whaler fleet, needs repairs on motors. Students use these for their research, and the safety of the students is of importance. Captain Ackerman reached out to Yamaha to see if they can donate motors to MLML.
- For future planning, because of the new engines MLML/SJSURF would be able to sell the John Martin commercially to get more money from it.
- MLML is investigating whether a replacement for the R/V Pt Sur makes sense. MLML is looking at vessels of 120', which is large enough for class cruises, small enough regarding space in the harbor, and efficient so the charge per day costs are minimized.
- MLML is losing job opportunities where boats need to be out for a few days because the John Martin is not large enough to handle overnight cruises.

New Researchers

- Gena Bentall, Sea Otter Savvy
- Dustin Carroll – Jet Propulsion Laboratory
- Geoff Wheat – University of Alaska (SJSU Lease Agreement for space)

- Edward Thornton - Naval Postgraduate School
- Mary Yoklavich – NOAA NMFS

Research

- New Rigaku X-Ray Diffractometer was acquired via a NSF grant by Ivano Aiello and colleagues at SJSU that can identify many compounds, including plastics.

Aquaculture Center

- The aquaculture program at MLML continues to grow exponentially with new courses, research projects, collaborators, and infrastructure.
- The Elkhorn Slough Foundation is using MLML facilities and expertise to raise native Olympia oysters. Project objectives are to enhance the native populations in Elkhorn Slough and San Francisco Bay.
- Endangered White Abalone were recently brought in to the lab, and with potential funding from NOAA, will be raised for two years to obtain a size suitable for outplant into the wild.
- A Fish Feed Mill was donated to MLML and will allow researchers to conduct experiments regarding the replacement of fish protein in fish meal. The mill is onsite and will be assembled in the coming months. Luke Gardner is writing a proposal to start using this mill.
- CA Coastal Commission has granted MLML a 6-year permit to keep the large tent and trailer at the aquaculture Center. Hopefully, in 6 years, MLML will be progressing with development of the Aquaculture Center and will be applying for building permits to further construct buildings at the aquaculture facility.

Del Mar Wharf Property

- Del Mar Wharf is in a state of major disrepair and about to collapse into the harbor.
- MLML has a 4-phase plan for the property. Phase 1 and 2 consist of demolishing a dilapidated building and removing the concrete slab atop the wharf. All permits to demolish the building and remove the concrete were acquired and demo has begun.

Outreach and Education

- A video rendering of the Academic Village concept can be found online and will be used for fundraising: <https://www.mlml.calstate.edu/2019/01/14/the-academic-village/>
- MLML has developed strong social media connections with COAST, CSU, CA Sea Grant, NOAA and CSUMB's UROC Program.
- The tour program gives ~3 tours per month to K-12 classes, community groups, Camp SeaLab, and Monterey tour companies.
- Revenue also comes from MLML's merchandise store and use of the Seminar Room

- The 50th Anniversary Book was completed and mailed out to all alumni, a copy was given to all current MLML students and staff and made available to Gov Board members at the meeting. It will serve as another valuable tool for fundraising in the future.
- MLML commissioned a set of native plant illustrations which have been made into signs. The signs are installed along the Boardwalk of the Main Building. The company used to print the signs donated \$750.

Finished agenda – Gov Board members will work on the response to the Chancellor regarding the review team report and implementation plan.

Motion to adjourn

Meeting adjourned 1:39

