



BIOSCIENCES ADVISORY BOARD MEETING DRAFT MINUTES

April 17, 2019/5:00pm/B1600/R1687

Meeting Agenda

LPC Mission Statement

Las Positas College is an inclusive learning-centered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.

LPC Planning Priorities

- ❖ Establish regular and ongoing processes to implement best practices to meet ACCJC standards.
- ❖ Provide necessary institutional support for curriculum development and maintenance.
- ❖ Expand tutoring services to meet demand and support student success in Basic Skills, CTE, and Transfer courses.
- ❖ Coordinate available resources to address current and future professional development needs of faculty, classified professionals, and administrators in support of educational master plan goals.

BioSciences Advisory Board

Members

Segal Boaz/LPC
Monica Borucki/LLNL
Dave Brekke/Sandia
Jill Carbone/LPC
Nicholas Heredia/BioRad
Nan Ho/LPC
Jorge Ligeti/LPC
Dianna Maar/BioRad
Josie Sette/Ohlone
Michael P.Thelen/LLNL
Camille Troup/Nanostrings
Victoria VanderNoot/Sandia
Darcy Ernst/LPC
Barbara Zingg/LPC
Sulatha Dwarakanath/AC2 Institute
Victoria Vandernoot/Sandia
George Farquar/Buzzkill Labs
Vivek Sharma/Sharma Therapeutics
Chandra Khantwal/Sharma Therapeutics
Robert Saul/Aster BioSciences
Peter Mattei/SafeTraces
Yolanda Fintchensko/Traction
Sahar El-Etr/The Switch
Stevan Jovanovich/S2 Genomics
Linnea Fletcher/Austin CC
Poornima Rao/Austin CC
Michale Shuldman/LPC
Kristen Wolslegal/BABEC

1. Welcome and Introductions

Michal Meeting called to order at 5:15PM

Members Present: Caryl Shill, LPC; Chandra Khantwal, Sharma Therapeutics; Darcy Ernst, Las Positas College; Dianna Maar, BioRad; Josie Sette, Ohlone College; Kristen Wolslege, BABEC; Linnea Fletcher, Austin CC; Michael Thelen, LLNL; Nan Ho, LPC; Nicholas Heredia, BioRad; Nicole Shapiro, LBL; Segal Boaz, LPC; Stevan Jovanovick, S@ Genomics; Sulatha Dwarakanath, AC2 Institute; Victoria VanderNoot, Sandia Labs; Yolana Fitnchesko, FounderTraction; Taylor Page, BioRad.

Remote: Stephanie Sibert, NueroTrack

2. Approval of Prior Meeting Minutes

Spring 2017 & Fall 2017

Motion: Victoria VanderNoot

Second: Michal Shuldman

Approve: Unanimous

3. Advisory Board Quick Facts

Vicki Shipman, CTE Project Manager, provided an overview of the CTE Advisory Quick Facts.

4. Industry Update

Dean Nan Ho recommended that faculty provide an overview of BioScience curriculum to the new industry members. Michal Shuldman shared the following curriculum tracks:

1. BioInformatics
2. Biology Track – PreMed; PrePharmacy
3. Allied Health Track – PreNursing;

Discussion re Curriculum

Dean Ho: BioTechnology is a part of BioScience but we do not have “true” BioTechnology as an approved program; BioInformatics is a direct result of the advisory board; at LPC, we have BioTechnology embedded in our curriculum tracks.

Michal Shuldman: While we may not have enough capacity for a full-blown

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biotechnology program, we continue to invest infusing biotechnology into the program. We'd like to learn more about the needs for BioInformatics so that we may know when to offer. Question posed to the Advisory, "Do employers have a need for BioInformatic Certified students? And, if so, how many?"

Nick Heredia, BioRad indicated that his firm would probably enroll five (maybe ten) in the certificate however there are concerns about the prerequisites. Diana Maar, BioRad, concurred. She continued that they have several positions that have recently posted ranging from intermediary to BioChemist.

Michal Shuldman reviewed the course outline indicating that they hope to schedule in Spring 2020. Per Dean Ho, the classes will be offered in the evening to meet the needs of professionals already in the workforce.

Victoria VanderNoot, Sandia, inquired about instructors announcing that they may have post docs from Sandia that would be interested. Dean Ho recommended sending out the program and course outlines along with the adjunct job description. Josie Sette said that she would send out the adjunct job description to her regional list serve as well.

Nick Heredia, BioRad, indicated that Jill had talked about having guest lectures. He asked if that will still be the case.

Victoria VanderNoot, Sandia, asked when they would be able to take this coursework; Darcy Ernst, LPC, answered for the first year, the second semester, for the second year, the first semester.

Discussion re Occupations Skills from Industry

Nicole Shapiro, LBL, brought a job description for a research technician that does not require an advanced degree, a great opportunity for a community college student.

Victoria VanderNoot, Sandia, brought job descriptions for a senior level technologist indicating that they may be able to hire a member level with a 2-year degree.

Nick Heredia, BioRad, indicated that entry level research associate jobs need more soft skills (team working). He recommends to include soft skills within lectures. Employers do not expect the entry level person to have all the technical skills but they do need to be able to learn from their assigned mentor, and they need to have integrity.

Vicki Shipman, LPC, recommended professional development for faculty of incorporating 21st century skills into the curriculum. Michael Thelen, LLNL, agreed.

Caryl Shill, LPC, recommended to have industry speakers provide the information, and that Darcy has been having industry guest speakers. Nick Heredia, BioRad, and Stephanie Sibert, NueroTrack, would be interested in being guest speakers.

Michal Segal, LPC, shared that there will be a Smart Shop workshop re Data Interpretation in the future.

Kristen Wolslege, BABEC, shared out that she thinks high school teachers are taking the Next Generation Standards Approach. Research the differences between the way we have been teaching biology; less textbook, more projects. Challenges with teaching skills based environment. Planning for the future.

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Michael Thelen, LLNL, believes students now more than ever are more in tune to hands-on project type skills.

Vicki Shipman, LPC, recommends professional development for science faculty in the Next General Standards Approach.

5. Faculty Report

Enrollments

Curriculum

Other

NSF Grant Overview – See handout

6. Recommendations from the Advisory Board

NSF Grant Application

Motion: Kristen Wolslege

Second: Salatva Dwarakanath

Approve: Unanimous

7. Next Regular Meeting (Date)

9/25/19; 5pm

Adjourned 6:40pm