

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

- ❖ Implement the integration of all ACCJC standards throughout campus structure and processes.
- ❖ Establish a knowledge base and an appreciation for equity; create a sense of urgency about moving toward equity; institutionalize equity in decision-making, assessment, and accountability; and build capacity to resolve inequities.
- ❖ Increase student success and completion through change in college practices and processes: coordinating needed academic support, removing barriers, and supporting focused professional development across the campus.

BioSciences Advisory Board

Members

Segal Boaz/LPC
 Monica Borucki/LLNL
 Dave Brekke/Sandia
 Jill Carbone/LPC
 Nicholas Heredia/BioRad
 Nan Ho/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
 Nicole Shapiro/LBL
 Stephanie Sibert/Neurotrack

1. Welcome and Introductions

Darcy Ernst, George Farquar (by phone), Yolanda Fintchensko, Nan Ho, Josie Sette, Nick Heredia, Dianna Maar, Dave Brekke, Jill Carbone, Victoria VanderNoot, Michal Shuldman, Jean O'Neil-Opipari

2. Review of Agenda Shift priorities

3. Approval of Prior Meeting Minutes (April 17, 2019)

Correction on spelling of Sulatha, correct Neurotrack

Nan Ho, moves to approve with corrections

Nick Heredia seconds

Jill Carbone abstains

Motion carries

4. Industry Update

Dianna Maar, need for QC at all levels, scientist and technician in high demand.

Focus on process, not pills

Josie Sette, dramatic growth in gene therapy in the Bay Area, only hiring for BA/BS level or CTE? Seeing company's gradual acceptance of 2-year degrees. Looking for hands on experience and good soft skills, also local companies are looking for local talent

Dianna Maar, it is easy to teach the skills required for a job even if the person starts with a 2 year as opposed to a 4-year degree.

Nick Heredia, a 2-year degree is more acceptable to newer companies, IPOs, smaller companies bought by Novartis and other. Students familiar with SOP

Michael Thelen, Skills that would make student more marketable: GMP and GLP.

Organizations like the American Society for Quality that teach skills. To lend credibility an instructor needs to have been an auditor.

Josie Sette, students should take some kind of quality course. Could be online? Stanford's Bio lab wants to work with Community College faculty. Quality is very important

Victoria VanderNoot, students benefit for familiarity with electronic/digital notebooks, have good presentation skills, familiarity with patents and think entrepreneurially. There is drug testing at the National Labs and many students cannot pass the drug tests

George Farquar, Community College students have great hands on experience, come from diverse backgrounds. Some of his internship candidates did not send a

BIOSCIENCE ADVISORY COMMITTEE MEETING

September 25, 2019/5pm/B1600/Room 1687

follow up email, faculty need to remind students of the importance of soft skills. Students universally lie about drug use.

Dianna Maar, students need to understand that documents are official and discoverable, that includes Slack, IM
Nan Ho, ramp up existing resources to help focus on discretion and soft skills

Yolanda Fintchesko, importance of professional organizations, students with basic skills and common sense. Many lacking safety training

Dave Brekke, industry trend, difficulty hiring employees so interns are being scrutinized. Some interns start with good lab skills, others have to start from scratch

5. Faculty Report

NSF Grant – Embed Biotechnology skills in the biology program. technical skills grant so soft skills not covered in the grant. Possibility of badging skills during internship

Darcy Ernst, website to host badges, badges created with industry input. Teach students to be responsible for experiment outcomes. Embed career skills in classes. Have guest speakers, develop industry pathways. Students need a LinkedIn account. Equity focus of grant, large, growing Hispanic population. At LPC 31%; Hispanic students withdraw at higher rates in early classes. If a student makes it to Bio1C, success is better. Equity gap.

Need incremental steps to keep students motivated to stay with program, flexibility, partially online to learn theory and then evaluated in a lab for skill

Letter of Commitment – Helping design Badges, internship opportunity (10 to 20 per year), recognizing badges, professional development, mock interviews, Deadline: 10.01.19

Yolanda Fintchesko, hiring is automated to pull from LinkedIn, digital credentialing website (Credly)

Dianna Maar, HR would need to sign off on badging and how many interns get interviewed

Josie Sette, can get a letter from the State Chancellor's Office

Darcy will send grant letter out

Jill Carbone, Computational Biology, degree geared towards transfer, certification more industry focused

Bioinformatics: Bio1C, CS 7, Math 40, Chem 1A; curriculum may not work for re-entry for courses over 20 years; lowering Bio level to Bio 30 (basic info on gene expression)?; Math and CS can take course by exam; Mat Jam and Code Jam to get up to speed, looking at prerequisites – need CS and knowledge of biology

Michal Shuldman, student may come from CS or Math background

Dianna Maar, Can students with a lot of hands on experience test in?

Victoria VanderNoot, identify 1 or 2 primers to get students who cannot attend MathJam or CodeJam

Yolanda Fintchesko, Ed Ex class?

6. Good of the Order

7. Next Regular Meeting (Date)

Wednesday, April 1, 5:00pm

8. Adjourned 6:30