

Biotechnology Advisory Committee
Friday, March 11, 2022
10:30 a.m. - Noon
Via Zoom

Jan Chalupny – Shoreline
Reitha Weeks – Shoreline
Don Sodora – Industry (UW and Seattle Children’s Research Institute)
Roshan Liyanage, Chair – Industry (Vaxcyte)
Julia Monreal – Shoreline and Industry (Partner Therapeutics)
Joy Adiletta – Industry (AGC Biologics)
Dina Kovarik – Shoreline
Rachel Rawle – Shoreline
Guy Hamilton – Shoreline
Kelly Griffin – Shoreline/notetaker
Meg O’Conor – Industry (Consultant)
Maribel Tirado – Shoreline
Pradip Ghate – Industry (Inventprise)
Jon Digel – Industry (Fred Hutchinson Cancer Research Center)
Adhanom Legesse – Industry (Seagen)
Lauren Hadley – Shoreline
Diana Dotter – Shoreline
Susan Julien – Industry (Mozart Therapeutics)

Roshan welcomed everybody and facilitated introductions and the approval of the 11/16/2021 minutes.

Biotechnology and Biomanufacturing program updates were given by Dina, Rachel, and Maribel.

Dina:

Great cohort, and all of the last cohort fully employed as far as she knows. If committee members need interns, keep in mind some of the students will need internships spring or summer. Also, the career panel will be held spring quarter – consider participation.

Rachel:

1. In second year of program, a partnership with AGC Biologics – training Running Start (high school) students, giving them college credit for a year-long program and internship.
2. “Essentials of Biomanufacturing” started pilot F21 – it partners with Seagen and BMS. After 10-week training, students enter as a hired intern within the company. Cohort is finishing up internships and program is now in midst of second cohort.

Maribel:

As the new Navigator doing outreach, she has five people interested in fall quarter (wants 20). For Biomanufacturing she has 20 applicants (17 applications were given to Seagen and BMS to review and make selections by 3/18.) Those not selected will be introduced to Shoreline Biotech certificate option.

Dina talked about the Planning Guide updates and facilitated approvals.

As reminders:

1. Certificate of completion is generally for post baccalaureate students.
2. Associates degree is generally a transfer degree. She mentioned, because many of the committee have done a great job in outreach, more students have been going directly into the work force.

First item of consideration:

On the Biotech Lab Specialist Certificate Planning Guide, BIOL 293 (previously approved by committee to be added to the curriculum), requires approval of the committee in order to add it to the Planning Guide.

Do you approve adding the Molecular Biology Research course, BIOL 293, to the Planning Guide as one of the possible electives?

Committee approved.

Second item of consideration:

Is Immunology Lab (BIOL 281) acceptable as a separate course, if lecture before, or concurrent, with lab?

Committee approved.

Add to Planning Guide?

Committee approved.

Third item of consideration, intro and advanced BIOL 293. Tabled. Include on agenda for the spring meeting.

Diana Dotter, Acting Associate VP for Advancement, Communications & Marketing/Executive Director of Foundation at Shoreline gave an overview of internships and relationships with BMS and Seagen through the Biomanufacturing, 10-week "Essentials" certificate. A paid internship (\$20 an hour) is part of the program and good feedback about the certificate has been received from manufacturers and students. More bioreactors and instructors will be needed, and Diana welcomes ideas from the committee and conversations about expanding to new partners. Inez Olive said the program is getting a diverse group of students and the recruitment for the third cohort of 8 is in process now.

Diana also talked about marketing for the two Biotech Camps to be held this summer. Funds are needed to provide scholarships and to partner within industry. Those within industry who want a diverse work force can see how this begins at the camps. Reitha said camp applications start to come in April 1st and acceptances occur two weeks later; the sooner scholarship involvement is known, the better. Four school districts have committed to provide partial scholarships which can sometimes combine with corporate scholarships. Guy mentioned there are also a variety of ways to support the camps such as lunches, supplies, food, and panels to talk with campers.

Lauren Hadley, Director of Workforce Education, facilitated a discussion around strategies to recruit and retain industry partners to support work-based learning. This is related to a comprehensive local needs assessment at the college to receive Perkins federal funding. Shoreline received \$290,000 this year which helped fund equipment for Biotech and curriculum development for courses. She asked, "what else can we be doing to help students understand more about the industry they plan to go into; and are there other ways we can look at recruiting and retaining employers who can participate in these work-based learning opportunities?" Some of the things shared out: Internships, panels, online flyer with background of programs as a marketing flyer; recruit students out (into employers); help make companies more aware of college programs; involve Life Science Washington (ad in their newsletter or a booth at their conference); awareness could be elevated; get inside champions; a challenge is a lot of our biotech companies are smaller; visibility on social media; more industry representation on this committee; provide ways students can have more direct contact with people within industry; and expand Biotech Program at the college. Lauren said to reach out to her if you have additional ideas that come to mind.

Guy gave some college updates surrounding the transition plan of coming out of Covid. In spring quarter, 50% of classes are anticipated to have some form of a face-to-face learning component. He also said the new building has been delayed due to the concrete strike but is looking forward to the eventual completion as it

will double the amount of training space. The selection of the new college president has been made and he plans to start work at the beginning of July.

Roshan expressed appreciation for everyone's time and contribution to the discussions.

Meeting ended at Noon.