

# Biotech Advisory Committee Meeting Minutes

Tuesday, May 19, 2020

1:00-2:30 pm

Meeting via Zoom

## Meeting Attendees

**Shoreline Community College:** Dina Kovarik, Jan Chalupny, Guy Hamilton, Sandra Porter (also of Digital World Biology), Jim Schulz, Lauren Hadley, Louise Petruzzella, and Reitha Weeks

## **Industry Representatives:**

Evan Henrich, Pradip Ghate, Don Sodora, Martha Hayden-Ledbetter, Susan Julien, Jeff Ledbetter, Mark Parrish, Todd Smith, Meg O’Conor, John Moscariello, Richard Moran

## **Industry Representatives Attending By Proxy:**

Arthur Castleton, Richard Moran

## 1. Introductions and Approve Minutes from the November 20, 2019 Meeting

Note from John M: Add Course names, not just course numbers, when discussing courses or providing materials. This was approved by the Committee.

The 11/20/19 Minutes were approved

## 2. Cohort & Program Updates

Updates

- a. 2018-2019 Cohort – employment opportunities – everyone has jobs!
- b. 2019-2020 Cohort – what to do about internships? Tabled due to COVID-19
- c. NIIMBL Focus Groups: Building Biomanufacturing Curricula

Jan Chalupny is helping with the NIIMBL grant. She talked about the anticipated 3-week Boot Camp in August. Louise spoke briefly about Jan’s role. Guy said AGC’s is working on a new facility permitting and anticipates it to be open in September. Jan will meet with AGC in a couple of weeks to talk about labs for Boot Camp. John made himself available to share out curriculum ideas.

There was also discussion about many funding opportunities related to training Biomanufacturing workers, including an incumbent worker grant involving Seattle Children’s, Just Biotherapeutics, BMS, and Seattle Genetics, as well as a cell-based training. Some of this funding is in partnership with AGC via the Workforce Innovation Opportunity Act.

- d. PROJECT BIOTECH Summer Camps – canceled for summer, 2020 ☹️

Camps were 50% filled after 1 month, prior to COVID-19. All campers and sponsors have been contacted about the cancellation. 3 of 4 sponsors rolled their sponsorships into next year. Discussions included having speakers participate virtually.

e. Thank you to Committee members! Guest lectures, Biotech Seminar Panel

Students expressed to Dina gratitude for the participation of many Committee members and alumni in panels for BIOL 280: Biotechnology Seminar.

f. National Science Foundation project update: No-cost extension

Are all electives created equal? Curriculum Retreat tabled due to COVID-19

**What do we do next?** Breakout sessions followed by group debrief

(1) How do we help current students complete their programs?

- a. **ACTION ITEM #2:** Split BIOL 277 into BIOL 276: Immunology Lecture [currently in place] and BIOL 277: Lab [course edit]

Logistics regarding COVID-19 were discussed.

Dina shared Zoom screen to show PowerPoint slides (5) for committee member discussion, gathering feedback, and voting on a class split. The slides listed were fall/winter courses; winter courses; spring courses; action item regarding a split of immunology into lecture-only BIOL 276, which is already approved by the College] and lab-only [which is new to COVID-19]. A vote was taken and approved to split the class into lecture [BIOL 276] and lab [BIOL 281].

BIOL 279: Biotechnology Techniques. Typically summer this course is offered in the summer, and discussion involved moving it to fall. Richard had concern about amount of lab time, so prefers to move to fall. It was agreed by the Committee to move the course to Fall, 2020 due to COVID-19. Richard emphasized the importance of case studies as an educational tool.

(2) How do we best serve the new 2020-2021 cohort?

Issues to consider:

- a. Which course(s) can be offered fully online?
- b. Which course(s) must have a hands-on component? [Models = Nursing and Automotive]
- c. Current cohort [2019-2020] and the next [2020-2021].
- d. Biotech Social Distancing Plan

Nursing and Automotive models based on 50-page document; social distancing (8 attendees); no huddling at centrifuges, face shields, taping. Concern was expressed about consent issues and making sure students feel comfortable in returning. Guy talked about Governor Inslee's requirements and mentioned contingency planning might take a couple of quarters.

Mark asked about how much new material would have to be created.

Meg asked what toolboxes looks like. Dina said eLearning, faculty mentors, Zoom, Panopto (online lectures), Canvas (exams posted), and Dina is also researching Labster.

Data analysis for BIOL 288: Flow Cytometry was also discussed. The focus would be on theory and experimental design.

2:20 Action Steps & Other Business

2:30 Adjournment

**Adjournment 4:40 pm**

Dina Kovarik, MS, PhD  
Program Chair, Biotechnology Lab Specialist Program