

Minutes of the First Annual Meeting of the SPC Biology/Biotechnology Advisory Board

Date: Monday OCT 6th 2014

Location: EPI 4-423

5:57pm - Instructor in charge Kathy Siegler will lead the meeting today. Goal of today's meeting is to develop a joint advisory board for AS Biotech and Baccalaureate Biology.

Welcome and introduction of attendees. SPC staff Advisory Board ex officio members:

- Kathy Siegler- Natural Science professor and instructor in charge of AS Biotechnology program.
- Raymond Menard- Natural Science professor
- Shannon McQuaig- Natural Science professor
- Michelle Osovitz- Baccalaureate Biology professor
- *faculty members teach a range of molecular biology disciplines in upper and lower division courses

Advisory Board members:

- Bob Ulrich- PURE molecular St. Petersburg
- Andrea Smith- Vet Med Unit VA-Bay Pines
- Alison Williams- Chief of Research VA-Bay Pines (Research Administration)
- Susan Gerhardt- National Marine fisheries/Policy
- Akiko Tanaka- President TBRI- Biomedical Research
- Guy Bradley- PI TRBI- Biomedical Research
- Tom Cuban- Ecology/Applied Restoration Ecology

6:05pm- **Purpose of AS in Biotechnology background of program development at SPC.**

Bacc Bio started in Fall 2011- To support the undergraduate population in Florida.

SPC and Florida Legislature wanted to develop a complimentary workforce AS in the sciences.

DACUM (**D**eveloping **A** Curricul**UM**) was held to develop a curriculum in July 2014 for the intention of serving the Biotechnology industry in Tampa Bay (see blog for DACUM documentation/minutes).

Curriculum has been developed based on DACUM and approved by the college and state (curriculum files will be uploaded onto the SPC Advisory Board BLOG)

SACS (Southern Accreditation of Colleges and Schools) is being developed prior to Fall 2015 launch of AS Biotechnology program.

Tom Cuban- Please define biotech.

Siegler- Goal of the AS Biotech program is to have the student's lab ready from Ecology to Biomedical disciplines.

Osovitz- Students are interested in agricultural and environmental biotech and we want to meet the needs of these students by offering special topics courses and internships.

Tom Cuban- There is a need for analysis, will your program train students in this field?

Siegler- YES, Biostats and Bioinformatics are required courses and C and I (curriculum and instruction) documents will be available on the BLOG.

Tom Cuban has ideas that he will pass on to Dr. Gingerich about certificates at a later time.

Cuban- some examples of skills and certifications- SCUBA diver- Navigate in the woods with a compass. Internships can allow for specification of individual students. Environmental science and environmental studies have a lot of job availability in the Bay Area.

Siegler- We have an AS in Environmental and Bacc. in Environmental Science (?) so the cross over possibility is there but currently not encouraged.

McQuaig- note that special topics course can be used to address cohort's individual need.

Cuban- Policy is universal across disciplines (*board agrees*).

Siegler-AS biotech to be workforce ready and then eventually return for BS to advance their degree. We want to build a student that is ready to work in the lab. Hands on practical skills are a focus.

6:17pm - **Committee structure**

Faculty are *ex officio* members - administrative duties only.

Advisory Board- (more information in handbook posted on the webpage)

- Assess occupational needs
- Review programs at SPC
- Mentoring students as interns or just as a contact
- Place graduates in cooperative work experience and internships.
- Foster community relations.

Akiko Tanaka suggested to apply for NIH grants for internships- AS is a concern as mentioned by Kathy.

SPC staff job- represent program at the committee meeting- Chair, Dean or instructor in charge must attend every meeting and provide admin support.

Chair- non SPC faculty- leader, spokesman, set meeting dates, agendas and coordinate with program director (Dean, Chair or Instructor in Charge) and coordinates any subcommittee as needed (not sure if subcommittee can contain faculty- Siegler will follow up on this with DEAN)

Nomination of Chair

Any nomination for chairs? Silence.....

Cuban- Concern with any legal representation concerning approval of funds and fundraising. Discussion of concern with blind commitment.

Siegler- Will get answer from the DEAN on details of legal involved in Board duties.

*Susan-*Is this a joint program between Biology and AS Biotech. Answer: YES.

*Cuban-*How many students do we expect? Answer: 25 students in the first year.

Bradley- Competition for internship concern with other universities.

Cuban- Internships at the VA policy needs to be changed and he has some connections that he would to talk about it. What are the intended agencies and what additional certificates are desired/required?

Siegler: Clinical labs are not the goal.

Cuban- Certifications are very important. So targeting the groups and find out what certificates they need and focus on them. Go to these groups and find out what they want. The Boards of the associations are the good targets for the chair.

638pm **We need a chair** ----- suggestion of having a business chair- no support from the Dean for this idea. Chair should be someone in the Biology or Biotechnology Field.

SPC Programs News

GRE in Biology is required of our students. Students from SPC are doing better than a national average.

AS biotech- Newly Developed Courses:

- Sci. communication
- Intro to Biotech
- Biotech Lab 1 Lab (Nucleic Acids)
- Biotech Lab 2 Lab (Proteins)
- Bioinformatics
- Animal and Plant cell culture
- Applied Genetics
- Intro to biotech model systems

- Capstone
- Internship

645pm Still no chair- Move to continue conversation over email.

Dr. Guy Bradley nominated himself for the chair position.

Vote was taken- unanimous.

Final Business

Mention of SEEDS grant. Can we have scholars be involved in internships as part of the awards funding. *Osovitz* will follow up with Erin Goergen.

Credentialing the faculty to sign off on this. DME (medical equipment) company. What to focus on in the lab.

Dr. Bradley- Sales rep. is also a very important job that can come out of our program.

Rap up notes: check <http://spcadvisoryboard.blogspot.com/> for new materials and minutes and information about next meeting.

Meeting adjourned 7:02pm