



EDUCATION COMMITTEE

American Society of Plant Biologists

Committee meeting, Monday 8 November 2021 11:00 am EST
Via Zoom at <https://us06web.zoom.us/j/83222604957>

COMMITTEE MEMBERS:

Erin Friedman (chair), Susan Bush, Katelyn Butler, Jonathan Gilkerson, Valerie Haywood, Joseph Jez, Dior Kelley, Kathryn Parsley, Tara Phelps-Durr, Ross Sozzani, Winnie Nham (staff)

Agenda

1. Welcome [11:02 AM]

At meeting: Erin, Val, Jon, Susan, Ross, Kate, Dior, Tara, Katelyn, Winnie

2. Approval of the agenda

3. Announcements and Welcome (5 min)

- New committee members- (Ross Sozani, Kate Parsley, Dior Kelley)- Erin will reach out to schedule an intro meeting
- Volunteer to serve as a contact person for NY high school photosynthesis project- Diane Phater's name suggested as a potential PoC (dpater@vassar.edu)

4. Agenda Item 1: PB22 Workshop Proposal (35 min)

Default time for workshop is 60 minutes, can petition for more if needed. Right now workshop/meeting is in person, potential hybrid component or may go virtual if necessary. No honorarium

- Share Ideas
 - How to best guide students through career options beyond academia
 - How to develop viable assessment/measuring effectiveness of what you are doing
 - Alternative assessments for measuring student learning
 - Ungrading
 - Defining one's education philosophy/ diversity statement
 - Fostering inclusive classroom/ supporting diverse ideas/thinking
 - Audience: grad student, early career, PUI (less mid/late career)
 - Have attendees bring what they will be work with, make it clear what they will leave with (or provide potential scenarios if they don't have one)
 - **Assessment**
- Narrow/Focus: Assessment
 - Why is assessment so important to do/ necessary? Broader impact, promotion, tenure, grant, teaching awards, program assessment
 - Assessment synonyms: evaluation, judging, rating, appraisal, value, value, reckon; framing as measuring of outcomes
 - Presenting data on assessment for student buy-in
- Consider speakers/guests
 - Kate has background in assessment, can connect us to some education researchers (not necessarily plant background)
 - Include non-education researchers but are using assessment in their classroom
- The following details are required for proposal submission
 - Proposed Title

- ii. Brief Description (500 words or fewer)
- iii. Description of Potential Conversion to Virtual/Hybrid
- iv. Target Audience
- v. Request for >1 hr time slot (not guaranteed)
- vi. Workshop capacity (number of attendees)

5. Agenda Item 2: 12 Principles Update (15 min)

- a. Sub-committee: Katelyn, Susan, Jonathan-
- b. Summary of October council meeting- Briefed council on update: 12 Principles of Plant Biology were developed in the 90s, at the time aligned with NGSS. An evaluation on the EdComm a few years ago suggested that the 12 Principles be revised/updated. PUI instructor, grad student, community college professor, and K12 teacher formed subcommittee with 4 EdComm members to revise the principles; we now have 17 principles
- c. Current revision status and timeline for next steps
 - i. Internal launch to ASPB (format?) by the end of the year-
 - Could mean a few things (blog/Plantae post, PDF, website change?) some way for members to access content before releasing to teachers
 - Timing question- would releasing during holiday detract from launch?
 - Additional discussion about what would be useful for K-12 teachers
 - ii. Source of mini BLOOME grants in 2022 (future discussion)
 - iii. External launch @ NSTA in April 2022
 - Put a focus group together (7-10 people) with K-12 educators and try to get feedback on what has been developed- what kind of materials would be useful for teachers
 - Plug and play activities for teachers

6. List Action Items (5 min)

- a. Workshop title - Erin will send out a few options to share with program committee for internal review
- b. 12 Principles- what exact feedback do we want to guide development of BLOOME + have for NSTA in April

7. Adjournment [11:59 AM]