

Education Update –November 2018

Prepared by Catrina Adams, BSA Education Director

Grant Funding Updates:

- Our Year 3 NSF report was accepted and we are now entering Year 4 of the 4-year Digging Deeper (DIG) grant. At this point the plan is to file a no-cost extension in early 2019 to extend the project into a 5th year.
- **Submitted NSF DRK-12 grant proposal: PlantingScience F2: The Next Generation of Collaborative Teacher-Scientist Professional Development (C. Adams PI, 4.3M, deadline Nov. 14).**

PlantingScience Improvements and Strengthened Partnerships:

- TriAg begins supporting Master Plant Science Team (MPST program). Improvements to the PlantingScience website continue to be made, new module under development in collaboration with American Phytopathological Society, new online mentor training course is under development.

Notable Publications:

Desy, E. A., C. T. Adams, T. Mourad, S. Peterson. 2018. Effect of an online, inquiry- & mentor-based laboratory on science attitudes of students in a concurrent enrollment biology course: the PlantingScience experience. *The American Biology Teacher*, 80(8): 578-583. (doi: 10.1525/abt.2018.80.8.578)

Gibson, J. P and T. Mourad. 2018. The growing importance of data literacy in life science education. *American Journal of Botany*. (<https://onlinelibrary.wiley.com/doi/10.1002/ajb2.1195>)

Presentations Given:

Botanical Gardens Congress International (C. Adams, October 2018), International Society for the Scholarship of Teaching and Learning (M. Sundberg, October 2018). National Association of Biology Teachers (C. Adams, J. Creasap Gee, 3 PS teachers, November 2018)

Future Presentations/Invited Talks/Workshops:

Inclusivity in the Plant Sciences: Using Scenario-Based Thinking to Discover Novel Paths for Increasing Diversity and Inclusion in the PlantSciences and Beyond (C. Adams, Jan 2019), Plant Health (APS) (J. Creasap Gee, mentoring panel, August 2019), Life Discovery Conference (C. Adams, March 2019), National Science Teacher Association (C. Adams, J. Creasap Gee, April 2019), American Educational Research Association (J. Taylor, April 2019)