

## Education Update –July 2020

Prepared by Catrina Adams, BSA Education Director

### Grant Funding Updates:

- **NSF DRK-12 grant FUNDED!** (C. Adams PI, 3.9M, 2020-2025). Details available: [https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=2010556&HistoricalAwards=false](https://www.nsf.gov/awardsearch/showAward?AWD_ID=2010556&HistoricalAwards=false)
- Received a second no-cost extension year of our existing Digging Deeper (DIG) grant (through September 30, 2021; remaining budget of ~200K).
- Received a no-cost extension on NSF RCN-UBE grant: Conference: Educating for a Diverse and Inclusive Community in Botany for the 21<sup>st</sup> Century (C. Adams PI, Kyra Krakos coPI, \$63,599; remaining participant support budget of ~15K).

### PlantingScience Updates:

- Spring session was complicated by shifts to online learning as a result of COVID 19. We currently have 13 teachers signed up for the upcoming Fall session, and will do our best to accommodate teachers' needs in a challenging K-12 education landscape.
- Year 1 activities for the new PlantingScience grant will involve building online professional development capabilities for PlantingScience and collecting classroom video of PlantingScience activities and from scientists working on research related to photosynthesis and respiration. Recruiting for research participants will not occur until Y2.

**Continue to pursue collaborative agreement with US Botanic Garden RE new “Careers for Plant People” resource:** We are working on details of an agreement and exploring potential partnerships with Plantae and Seed Your Future. It is taking time to get details of scope defined and all partners on board...a formal agreement may be delayed until next fiscal year.

**Life Discovery: Doing Science Conference:** We partner in hosting this education conference along with ESA and SSE. The conference was originally planned for Estes Park, Colorado in October. The planning committee has decided to host a smaller virtual conference October 22-24, and have renegotiated new dates with YMCA Estes Park, CO for October 2021. More info on the upcoming conference is available here: <https://www.esa.org/ldc/>

### Publications in prep:

**Taylor, J., Westbrook, A., Adams, C., Creasap-Gee, J.** The effect of participation in a student-scientist partnership-based online plant science mentoring community on high school students' science achievement and attitudes about scientists. (for submission to the Journal of Research on Science Teaching (JRST)).

Additional papers on DIG results are planned for submission to the *The American Biology Teacher* and *BioScience*

### Future Presentations:

PlantingScience Workshop, National Association of Biology Teachers (Virtual, November 2020). C. Adams will co-present with PlantingScience teacher Aubrey Mikos.

We cancelled our accepted workshop presentation at American Society of Association Executives on “What would a high school student say about your industry?” (C. Adams, H. Cacanindin presenting). It would have been difficult to do the workshop in a virtual format, and we worried about the close timing with our Botany 2020 meeting. We plan to resubmit for next year.