



American Society of Plant Biologists

Cultivating a better future through plant biology research

ASPB Plant Biology Learning Objectives, Outreach Materials & Education (BLOOME) Grant 2022 Complete REQUEST FOR PROPOSAL (RFP)

The purpose of this RFP is to fund the development of curricular materials (activities and labs) to support teaching the new Principles for Teaching Plant Biology in K-12 and undergraduate classrooms.

- The Project Leader must be a current ASPB member or must [join ASPB](#) if their project is funded. The cost of membership **may** be included in the budget. For more information on dues, please visit <https://aspb.org/membership/membership-dues/>. Reduced rates are available for K-12 and community college educators.
- Maximum request: \$7000 for one year to fund the development and dissemination of classroom activities and labs.
- Successful proposals will create and disseminate classroom activities to use in K-12 classrooms or first-year undergraduate courses. Preference is given to activities that focus on K-12 students. The proposed classroom activities/labs should meet the following criteria:
 - The learning outcomes are clearly stated and explicitly align with one or more of the four categories of [Principles for Teaching Plant Biology](#).
 - The activities/labs are achievable without highly specialized equipment or expertise/background knowledge.
 - Include all information needed to execute the activity/lab with students, including but not limited to student guides and handouts, instructor guides, instructor background primer, list of required supplies, homework/assessment questions and answers, and video demonstrations ([example](#) of a video demonstration from a funded project).
 - The products are in a format that can be readily distributed to educators online or at in-person conferences or outreach events.
 - There is a clear assessment plan for the stated learning outcomes.
- The 2022 application opens on March 1st
- Prepare the proposal and then submit the information using the fillable form at <http://bloome.aspb.org> by 11:59 p.m. ET on May 1, 2022
- Up to 8 projects will be fully funded
- Applicants will be notified of the committee's decision by email, usually within one month of the submission deadline
- Questions should be directed to education@aspb.org

Grant proposals are limited to 6 total pages. They MUST include the following labeled sections and adhere to these general formatting guidelines:

- single spaced
- 12-point font
- at least one-inch margins

1. Introduction – Limited to one page

- project title
- project leader's name and institutional/school affiliation
- co-leader name(s) and institutional/school affiliation(s)
- total amount requested
- 300-word summary that addresses the three major elements of the project description: A) goals and objectives, B) project details, and C) expected outcomes and evaluation

2. Project Description - Limited to three pages

A. Goals and Objectives

- clear statement of project goals and objectives
- importance of project
- learning objectives and how they will be measured
- alignment with one or more [Principles for Teaching Plant Biology](#)
- for undergraduate audiences only: additional alignment of project goals and objectives with current effective scientific teaching practices such as [Vision and Change recommendations](#) or [Core Concepts and Learning Objectives for Plant Biology](#)

B. Project Details

- project activities and timeline
- alignment of activities with goals and objectives described in Part A
- expected outcome(s) for participants
- target audience(s)/grade level and number of participants

C. Expected Outcomes and Evaluation

- Assessment plan:
 - What are the expected outcomes of this activity/lab?
 - How will you evaluate whether the proposed goals and objectives were achieved?
 - What assessment tools will be used for the activity/lab and how are they appropriate for this specific project?
 - How will your assessment inform further development or iterations of the activity/lab?
 - Priority will be given to proposals that include and reference a valid knowledge-based assessment to be used with the activity/lab.

3. Statement of Teaching Philosophy – Limited to one page

- include up to one page that describes relevant pedagogical techniques, teaching experience, any previously developed lab activities, and other relevant credentials. Include information for co-leaders (if applicable).

4. Itemized Budget – Limited to one page

- budget limit is \$7000
- budget may include \$25/hr stipend for the project leader and additional personnel, materials, equipment, dissemination, assessment, videography, or other costs
- the budget must include all costs associated with the project even if they are funded by outside sources (indicate as such)
- each budget item must be justified separately
- Indirect costs (overhead) cannot be covered by this award
- Funds may not be requested for endowments or granting programs

Other Guidelines and Requirements:

1. The Project Leader must be a current ASPB member or will [join ASPB](#) if their project is funded. The cost of membership may be included in the budget.
2. ASPB retains the right to the use of projects, materials, and results developed with grant funding. Upon project completion, recipients **must** provide their materials to ASPB for dissemination online and at education/outreach events. The project leader may choose to additionally seek publication of the activity/lab.
3. All recipients are invited to advise future applicants who seek their consultation on developing a winning proposal.

Questions?

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