

PlantingScience Fellows Needed

PlantingScience is seeking 30 early-career scientists to participate in a research project with high school teachers and their students this summer and fall.

We are seeking applicants with an abiding interest in and professional experience relevant to:



- Collaborating with high school teachers to help students learn how to conduct research on photosynthesis and cellular respiration.
- Taking part in collaborative professional learning with classroom teachers to help enhance the practice of teaching science in high schools.
- Participating in a research project to discover how collaborations among teachers, research scientists, and students can lead to enhanced student learning and improved attitudes towards plant science and scientists.
- Mentoring small teams of students online as they work more with plants and experience working through their own science investigation.
- Working with a diverse group of students, teachers, and scientists.



Applications are due by March 1, 2024

More information:

www.plantingscience.org



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planting science

Digging Deeper {F₂}

A second generation of research exploring the effect of an online student teacher scientist partnership program on student outcomes

Eligibility:

We are seeking participants who:

- Are early-career scientists with research experience, pursuing a degree and/or holding a position in a life science field.
- Are comfortable mentoring students on photosynthesis & cellular respiration.
- Will have consistent internet access during summer professional learning sessions and fall 2024 PlantingScience session.
- Have a participation schedule compatible with US time zones (GMT-4-9)*

Compensation:

Stipend: \$1000

- \$500 upon completion of the summer Professional Learning workshop.
- \$500 after completing Fall 2024 PlantingScience session liaison responsibilities.

Travel expenses for those participating in the in-person Professional Learning in St. Louis, Missouri will be reimbursed. Food and lodging will be provided.

Eligibility for dissemination grants: Five \$500 dissemination grants will be available to Fellows wishing to attend scientific meetings and share their experiences and insights from participating.

Commitment:

Fellows will need to commit to participating in the following:

- **Professional Learning, Summer 2024:** Participate in one of three professional learning opportunities with teachers.
 - In-person, June 24-28, 2024
 - Online/remote from July 8-19, 2024 (includes weekly large-group sessions and small-group work via Zoom, plus asynchronous activities and discussions.)
- **PlantingScience Facilitation, Fall 2024:** Facilitate student mentoring by providing support to two (2) participating high school teachers between September 1 and November 30, 2024. This role is estimated to take approximately 2 hours per week while the class is actively participating and includes:
 - Facilitating communication between teachers and scientist mentors.
 - Monitoring interactions between scientists and students.
 - Submitting a weekly report to the PlantingScience staff.
- **Research:** Provide feedback to project evaluators regarding the impacts of the professional learning experience as well as the facilitation experience.

*While US citizenship and/or residency is not a requirement for participation, the project is sponsored by the US National Science Foundation and the majority of teachers and students participating will be in the United States (UTC-4 through UTC-9). Time-zone compatibility and travel costs/logistics will be considered in making final selections and placements.