

Default Question Block



Research Experience for Florida High School Teachers in Plant Pathology

WHEN: July 20-25, 2025

LOCATION: University of Florida Main Campus, Gainesville, FL

Attention High School Teachers!

In this PD experience, work with Dr. Wen-Yuan Song's Lab on NSF-funded research in plant pathology. Dr. Song's lab is interested in the mechanisms by which the rice Xa21 gene confers resistance against bacterial blight disease and the approaches to engineering broad spectrum and durable resistance in crops. Laboratory research is focused on molecular mechanisms of the plant immune system. In particular, the roles of protein kinases, E3 ubiquitin ligases, and transcription factors in plant immunity. Models include bacterial blight disease of rice, citrus canker disease, and citrus greening. The goal is to better utilize the plant immune system for disease control in crops.

Workshop Benefits:

- Gain expertise in general and advanced molecular biochemistry techniques.
- Potentially create lessons for the classroom related to this research content.
- Become part of a collaborative network of teachers and scientists.
- Host scientist classroom visits to integrate the content learned into the classroom.

Workshop Eligibility:

- Must be a public-school high school teacher within the state of Florida.

- Must plan to continue teaching at a public school for the 2025-2026 school year.
- Teachers who teach at schools that receive Title I funds are especially encouraged to apply.
- Must plan at least one virtual SEFS scientist visit to the classroom during the 2025-2026 school year.

Participant Support:

Participants will receive a \$1,000 stipend upon successful completion of the PD, evaluation, and scientist classroom visit as mentioned above. Traveling teachers (those outside a 50-mile radius from the UF campus) will be housed (single occupancy) at the Reitz Union Hotel courtesy of the workshop

(Funded by the National Science Foundation #2114833).

Application Process:

The application **deadline to apply is April 15, 2025**. Space is **limited to 6 teachers**. All applicants will be **notified of the status of their application (selected or not) by the end of April 2025**.



**PLANT
PATHOLOGY**



**Scientist in Every
Florida School**
Thompson Earth Systems Institute



What is your first name?

What is your last name?

Please provide your school email address for communication.

Please re-enter your school email address

For set up of stipend payment, please enter your personal email address (NOT school email)

Please re-enter your personal email address (NOT school email)

What is the best telephone number to reach you at?

Your home address

Address

City,

State

Zip Code

Emergency contact information:

First Name

Last Name

Relationship

Emergency Contact Number

What Florida county do you teach in?

What is the name of the school plan to teach at during the 2025-2026 school year?

Is this a Title I school?

- Yes
- No

What grade levels do you teach?

- 9
- 10
- 11
- 12

Please list the classes you anticipate teaching during the 2025-2026 school year.

How many years have you been teaching?

- 1 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- 21 - 25
- 26 - 30
- 31+

Undergraduate degree, major, and institution

Graduate degree/concentration (if applicable, otherwise indicate N/A)

What are your personal and professional goals with reference to this PD opportunity?

How do you plan to incorporate what you learn into your classroom?

How did you hear about the Scientist in Every Florida School program?

In the box below, please let us know of any health problems, dietary restrictions, or mobility limitations.

For out-of-Gainesville-area teachers (> 60 minutes from Gainesville), we will be hosting you in one of our campus hotels. Rooms will be double occupancy. Please indicate your gender rooming preference below.

Female

Male

What size t-shirt would you like?

- Adult small
- Adult medium
- Adult large
- Adult xlarge
- Adult xxlarge

What other information would you like us to know as we consider you for as a participant?

In the event that you are chosen to participate, we want to document our experiences together and share your professional pursuits and outcomes through multiple media outlets (i.e., website, social media, and traditional news print). By checking below, you give consent that all photographs, video images, voice recordings, productions, and/or written extraction obtained during this workshop may be used by UF and/or others with the permission of UF for the purpose of illustration, advertising, or publication in any manner. Consent will not impact selection for the program.

- I agree to allow UF to use program artifacts for promotional and grant reporting purposes.
- I do not agree to allow UF to use program artifacts for promotional and grant reporting purposes.

Successful completion of this PD for receipt of stipend entails:

- Attend in-person (University of Florida, Gainesville) the workshop from July 20-25, 2025.
- Out-of-Gainesville-area teachers will plan to stay on campus (paid) throughout the duration of this residential workshop at a workshop provided hotel.
- Scientist classroom interaction(s) during the coming school year.
- Completion of survey/evaluation tools for program.

- I agree
- I do not agree

Please thoroughly read the assumption of risk and release below and check the “I Accept” box if you agree to the terms set forth. I, the undersigned, on my own behalf and on behalf of my heirs, administrators and assigns, in exchange for being permitted to participate in activities anytime during the program at the University of Florida, agree to assume the risks and hazards, whether known or unknown, disclosed or undisclosed, of participating in the Activity. The University of Florida shall not be liable for any damages or injury I may sustain in arising out of my participation in the Activity, and I assume full responsibility for any such damage or injury. In consideration for permitting me to participate in the Activity, I hereby release the University of Florida and any other organization connected with the Activity, their respective directors, officers, employees, members and agents, and waive voluntarily and without duress any and all claims for liability which I or any of my heirs, administrators, or assigns, might or could assert.

I accept

I decline

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