



# Broader *Impacts*

THE CENTER FOR APPLIED PLANT SCIENCES  
BROADER IMPACTS NEWSLETTER

## Broader Impacts, SciComm & Outreach... *Oh my!*

As I pulled together this long overdue issue of the CAPS Broader Impacts Newsletter, I realized that the coming months provide a wealth of opportunities to get involved with the broader impacts community, broadening participation initiatives and science communication programs. The following pages include a number of opportunities to attend conferences and workshops, participate in national initiatives, and access grant development resources. These opportunities provide a vehicle to grow your network of professional contacts, and to draw upon the expertise and lessons learned at institutions across the country.

Bringing the focus more inward, the Center for Applied Plant Sciences will continue to offer broader impacts support to center members. This includes opportunities to get involved with local outreach programs, individual BI consultations and the quarterly-ish distribution of this newsletter. CAPS, together with our colleagues at the ABRC, facilitate a variety of education and outreach programs both on and off campus. Our efforts reach more than 5,000 people each year.

### Upcoming CAPS & ABRC Outreach Programs

Green STEM Girls @ Columbus City Preparatory School for Girls – February 4<sup>th</sup> and March 10<sup>th</sup>

Plant Solutions for Global Problems @ COSI – February 7<sup>th</sup>, March 27<sup>th</sup> and April 15<sup>th</sup>

Sesquicentennial Community Open House & Celebration @ Thompson Library – March 21<sup>st</sup>

Pollinator Palooza @ the Franklin Park Conservatory – June 20<sup>th</sup>

WestFest @ West Campus Quad – September 12<sup>th</sup>

If you are interested in getting involved please contact Courtney Price ([price.1217@osu.edu](mailto:price.1217@osu.edu)).

Not a plant scientist? There is a growing grassroots consortium of BI and outreach professionals at Ohio State working to make connections between researchers and the community. If you are interested in getting involved but plant sciences are not your area of focus, I encourage you to seek out the BI/outreach professionals in other units across the University. If you are unsure where to start, I would be happy to help you find the program that fits with your discipline.

# Center for Applied Plant Sciences

## Broader Impacts Support

The Center for Applied Plant Sciences aims to build a community where researchers interested in advancing science through the development of robust Broader Impacts (BI) come together to ideate and collaborate. To that end, CAPS is pleased to provide its members with support for BI development and engagement.

### **Broader Impacts Brainstorming**

This opportunity is meant to serve as an informal brainstorming session designed to support individuals who are currently writing a proposal with the development of their BI activities. Come prepared to share a summary of your project and the BI activities you are considering. Through constructive feedback, suggestions for partnerships, idea sharing and open discussions participants will gain insight that will help them refine their BI plans.

This is a new opportunity that will be tailored to meet the needs of the participants. To start, BI Brainstorming will take place quarterly. The group will meet from 12:30-1:30 p.m. in 102 Rightmire Hall, with the option to video link to the OARDC campus. Each session will open with a short presentation focused on one aspect of BI development, such as building community partnerships, evaluation, etc. Attendees are invited to bring their lunch for this informal, yet informative working meeting. Specific dates for each brainstorming session will be announced via the CAPS listserv.

### **Community & School Outreach Programs**

The Center for Applied Plant Sciences, together with the Arabidopsis Biological Resource Center, participates in a variety of outreach programs each year. From classroom visits, to field trips, to events on campus and at community organizations like COSI – CAPS and ABRC reach thousands of people of all ages each year. Build your BI portfolio by getting involved with our outreach initiatives.

There are multiple opportunities for faculty, postdocs, staff and graduate students to get involved. Hands-on activities are planned and prepared by the CAPS Education & Outreach Specialist, so all you need to do is show up and talk science! For researchers who are interested in focusing on their specific field of expertise, opportunities to brainstorm, develop and showcase new activities are available.

### **CAPS Broader Impacts eNewsletter**

Stay up-to-date on opportunities to engage in public outreach opportunities, BI news and resources with the CAPS Broader Impacts eNewsletter. This bi-monthly eNewsletter will keep you connected.

### **Individual Broader Impacts Consultations**

The CAPS Education & Outreach Specialist is available for individual consultations on BI development on a limited basis. Because this service is time dependent, CAPS members are encouraged to utilize the other available BI services to their full advantage.



**THE OHIO STATE UNIVERSITY**

CENTER FOR APPLIED PLANT SCIENCES

#### **For more information:**

Courtney Price, Education & Outreach Specialist,  
059 Rightmire Hall, [price.1217@osu.edu](mailto:price.1217@osu.edu), 614.292.8208

# Conferences & Professional Development

**FEBRUARY 16<sup>TH</sup>**

SHARING SCIENCE WITH ANY AUDIENCE: AN INTERACTIVE WORKSHOP ON THE ESSENTIALS OF GOOD SCICOMM

San Diego, California

A free workshop offered by the American Geophysical Union at the 2020 Ocean Sciences Meeting

**MARCH 25<sup>TH</sup>**

BROADENING PERSPECTIVES ON BROADENING PARTICIPATION (WORKSHOP)

Portland, Oregon

A free workshop offered by the Center for the Advancement of Informal Science Education (CAISE)

**MARCH 26<sup>TH</sup> – 27<sup>TH</sup>**

SCIENCE TALK '20

Portland, Oregon

An annual conference that supports and brings together the science communication community, promotes best practices for scicomm, and fosters public engagement.

**APRIL 28<sup>TH</sup> – 30<sup>TH</sup>**

2020 BROADER IMPACTS SUMMIT

Durham, North Carolina

An annual summit that explores how research impacts society, and vice versa. The theme of this year's summit is expansion...from expanding the organization behind the summit from the National Alliance for Broader Impacts (NABI) to the Center for Advancing Research Impact in Society (ARIS), to expanding the community to include social science, art and humanities research, to expanding beyond a NSF-centric view of broader impacts.

## OPPORTUNITIES TO GET INVOLVED

[SOCIETY FOR SCIENCE & THE PUBLIC – ADVOCATE PROGRAM](#)

**Applications close March 4**

Applications are currently open for teachers, scientists, and mentors who agree to support three additional underserved students in entering STEM research competitions, such as Regeneron ISEF, Regeneron STS, Broadcom MASTERS, BioGENEius, and JSHS. This program provides a \$3,000 stipend, all-expenses-paid training in Washington, DC, and year-round support. No competition experience is necessary, but mentors must already have access to underserved students they would be allowed to work with.

Questions - Contact Caitlin Sullivan, Director of Outreach and Equity Programs.

<https://www.societyforscience.org/outreach-and-equity/advocate-program/>

[SCIENCE STORYTELLERS @ AAAS ANNUAL MEETING](#)

Are you looking to engage the public and talk about your research? The public engagement program [Science Storytellers](#) will be hosting a booth at [AAAS Family Science Days](#) during the AAAS Annual Meeting in Seattle and they'd like YOU to talk about your research. Science Storytellers puts scientists in conversation with children to break down barriers and to help kids see that scientists are people just like them. The program also gives children a voice in telling their own stories about science in their lives, and shows them the broad range of career possibilities for people who like science.

Science Storytellers is looking for scientists who would be willing to spend an hour (or more!) at their booth, talking informally with kids about their work, why it matters, and what they like to do outside of the lab. If you're interested, or if you have questions about the program, please contact Jenny Cutraro ([jenny@sciencestorytellers.org](mailto:jenny@sciencestorytellers.org))

# Is a NSF CAREER grant in your future?

Follow this [link](#) for instructions on how to access the free NSF CAREER program webinar/course materials. You will need to enter the discount code listed in the instructions to access the course materials.

This recorded webinar provides a comprehensive and detailed discussion of the NSF CAREER program and how to write a winning proposal, stepping through the process from developing an idea to interpreting reviews. A total of 3 hours long, the webinar is broken into 6 sections:

- The NSF CAREER Program: The Basics
- Planning your research component
- Identifying your NSF program and talking to your PO
- Planning your education component
- Final planning steps and writing your proposal, step by step
- Understanding and responding to reviews

## Background materials provided for download:

- The webinar slides with active hyperlinks
- Example outlines
- Excerpts from successful NSF CAREER proposals, annotated with comments
- Relevant articles from the Research Development & Grant Writing Newsletter

Information provided courtesy of Jeff Agnoli, Office of Research, Research Development Office.

*These materials will be available until August 2020. The Office of Research | Research Development Office purchased these materials from Academic Research Funding Strategies, LLC.*

## Resource Highlight



### [The Broader Impact Wizard](#)

The Centers for Ocean Sciences Education Excellence (COSEE) developed a free, online tool known as the Broader Impact Wizard. Although developed with ocean sciences in mind, the BI Wizard is a useful tool for developing a well-constructed BI plan. From identifying your audience, to creating a budget and figuring out the evaluation plan, the BI Wizard guides you through the process and provides a summary report based on user input. Be sure to create a free account in order to save and return to your work.

<http://coseenow.net/wizard/>



For more information contact:  
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○ ARCHIVE

# Broader *Impacts*

THE CENTER FOR APPLIED PLANT SCIENCES  
BROADER IMPACTS NEWSLETTER

Past issues of the  
*CAPS BI Newsletter*  
are available via the link below

[https://go.osu.edu/broader\\_impacts\\_news](https://go.osu.edu/broader_impacts_news)



For more information contact:  
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**PROFESSIONAL  
DEVELOPMENT**

**PUBLIC  
ENGAGEMENT**

**RESEARCH  
IMPACTS**

# ***SPROUT***

***(STEM PROFESSIONALS REACHING OUT)***

## **Join the 2019-2020 cohort of *SPROUT*!**

The Arabidopsis Biological Resource Center (ABRC) is developing a new program designed to support and engage plant science researchers at Ohio State in science communication and public outreach.

### **WHO IS ELIGIBLE?**

This program is open to Ohio State researchers and scholars (faculty, postdocs, graduate students and research staff) working under the broad umbrella of plant sciences.

### **BENEFITS OF PARTICIPATION**

- Science communication skill development
- Integration into ABRC's well established education & outreach infrastructure
  - Engagement in outreach without having to coordinate the logistics
  - Access to a network of K-12 teachers and community partners
- Build your broader/research impacts portfolio
  - Demonstrated participation in a well-established program
  - Letters of support/collaboration
  - BI statements for grant proposals

### **PROGRAM OUTLINE & PARTICIPANT COMMITMENTS**

#### ***Science Communication Workshops***

ABRC will offer a series of three science communication workshops throughout the fall and winter.

- Participant commitment: Attend at least two of the three workshops

#### ***One-on-One Consultation***

Meet with ABRC's Education & Outreach Specialist for individualized brainstorming

- Participant commitment: Participate in one individual consultation

#### ***Engagement in education and outreach programs***

ABRC has a well-established network of K-12 and community partners. Our education and outreach programs reach more than 5,000 people annually.

- Participant commitment: Participate in at least one outreach event during the first year
  - Subsequent years: Participate in at least two outreach events per year

### **WANT TO KNOW MORE?**

Attend the information session on Friday, September 20<sup>th</sup> from 2:00-2:30 p.m. in 102 Rightmire Hall  
(connect via Zoom @ <https://zoom.us/j/338678300>)

Questions? Want to sign up?  
Contact Courtney - [price.1217@osu.edu](mailto:price.1217@osu.edu), 614-292-8208

CENTER FOR APPLIED  
PLANT SCIENCES

# BROADER IMPACTS BRAINSTORMING

THURSDAY, AUGUST 8<sup>TH</sup>

12:00-1:30 P.M.

102 Rightmire Hall

Zoom link:

<https://osu-cfaes.zoom.us/j/382313071>

## Panel Discussion – 12:00-12:30 p.m.

Join us for a panel discussion on getting involved in outreach at Ohio State and in the community as a means of building your BI portfolio.

## Q&A with Panelists – 12:30-12:45 p.m.

## BI Brainstorming – 12:45-1:30 p.m.

Explore ideas for developing your BI activities, connect with other researchers, and learn about existing outreach infrastructure you can tap into.

Everyone is welcome! Feel free to bring your lunch. A food truck is generally located nearby (outside Mount Hall).

**Contact:** Courtney Price ([price.1217@osu.edu](mailto:price.1217@osu.edu))



## PANELISTS

**Charlene Brenner**  
The STEAM Factory

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**Jason Cervenec**  
Byrd Polar & Climate Research  
Center

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**Rob Evans**  
Columbus Science Pub  
Battelle Education

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