

Genetics Society of America TAGC BREW 2020

Bridging Research & Education Workshop

July 13th, 2020
1-3 EST
Via Zoom

Have you thought about how your research can transform the next generation of scientists?

PROGRAM AND SPEAKERS



WELCOME TO BREW 2020!

Engagement in authentic scientific research is a keystone to effective and impactful teaching. Students benefit from planning, hypothesis formation, data collection and interpretation.... all culminating in the communication of their work. Not just what they did, but why they did it and why it changes how we think of the living world around us. This is what the next generation of scientists expects, and needs, from our classrooms.

PROGRAM

Opening Comments – Mary Miller, Rhodes College

Speakers

Yeast Gene Discovery: Flexible Model for Challenging Times

Jill Keeney, Juniata College

yEvo: teaching Eukaryotic Genetics and Evolution with Yeast

Bryce Taylor, U of Washington Genome Sciences

Building a CURE for α -arrestins

Allyson O'Donnell, University of Pittsburgh

Yeasts in the Arena: Yeast Fights and More

Heather Hallen-Adams; University of Nebraska-Lincoln

Hands on CRISPR/Cas9 in *Saccharomyces cerevisiae*

Katarina Jurikova; University of Bratislava

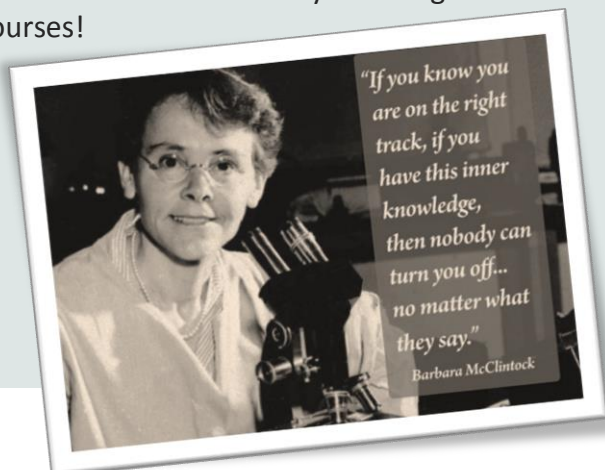
Breakout Groups –

Mingle with the speakers and brainstorm ways to integrate research into your courses!

Share-out and

Closing Remarks –

Pam Hanson,
Furman University



ORGANIZERS

Mary Miller, Ph.D., chair
Rhodes College

Jill Keeney, Ph. D., co-chair
Juniata College

Pamela Hanson, Ph.D., co-chair
Furman University



Why Yeast?

In addition to the speed and ease with which students can genetically manipulate yeast, *S. cerevisiae* has implications for biomedical sciences, food production and biofuels. As with all model organisms, similarities with other eukaryotes fosters exploration of foundational concepts of evolution.

Preparing for the Workshop

We will have only two hours to hear some fantastic ideas about using research approaches and projects in the classroom – so buckle your seat belt!

Be sure to arrive with an open mind and the ability to take notes, ask questions, and share your own experiences.



For more information about TAGC 2020 online workshops, go to:
<https://genetics-gsa.org/tagc-2020/workshops-2/>