



**ADVANCING PLANT
SCIENCES: PLANTS IN
AN EVOLVING WORLD**

**2018 DuPont Pioneer & Plant
Center Spring Symposium**

**University of Georgia
Wednesday May 9, 2018**

**The Classic Center · The Foundry Building
Oconee River Room**

130 Foundry St. · Athens, GA 30601



**@PlantCenterUGA
#UGAPlantSymp2018**



Symposium Schedule

May 9th Symposium – The Foundry Building at The Classic Center

<i>Time</i>	<i>Speaker</i>	<i>Affiliation</i>	<i>Title</i>
8:00 AM	Registration and Breakfast		
8:45 AM	Amelia Lovelace	University of Georgia	Welcome - Graduate Student Organizing Committee
8:50 AM	David Lee	University of Georgia	Welcome – Vice President for Research
8:55 AM	Jason Rauscher	CORTEVA agriscience	Welcome – CORTEVA agriscience
9:10 AM	Kristen Nolting	University of Connecticut	What makes a ‘biodiversity hotspot’ hot? Trait-mediated species coexistence in a fire-driven ecosystem
9:30 AM	Ruth Shaw	University of Minnesota	Breeding for Environmental Change: Lessons from Evolutionary Quantitative Genetics
10:10 AM	Morning Break		
10:35 AM	William Jordan	University of Georgia	Epimutagenesis of Arabidopsis thaliana
10:55 AM	Anju Giri	Kansas State University	Water soluble carbohydrates accumulation in the wheat stem in relation to yield and yield components
11:15 AM	Georg Jander	Boyce Thompson Institute	Two genomes are better than one: Aphid resistance in diploid and allotetraploid perennial soybeans
12:00 PM	Lunch and 12:35 - 1:20 Faculty Meeting (45 min)		
1:25 PM	David Habier	CORTEVA agriscience	On the predictability of genomic prediction in plant breeding
2:05 PM	Karolina Heyduk	University of Georgia	Physiological and genomic enablers of Crassulacean acid metabolism in the Agavoideae
2:25 PM	Ed Buckler	USDA-ARS	Breeding 4.0 – Designing New Ways to Feed the Planet
3:05 PM	Afternoon Break		
3:30 PM	Jim Westwood	Virginia Tech	Parasitic plants are masters of communication: The case of mobile RNAs
4:10 PM	Laura Galloway	University of Virginia	Contemporary environments and a legacy of range expansion shape the evolution of plant reproduction
4:50 PM	Scott Jackson	University of Georgia	Closing Remarks
6:00 PM	Social – Transmetropolitan (145 E Clayton St)		

Symposium Speakers



Dr. Ed Buckler
USDA-ARS Research Geneticist
Quantitative genetics, genomics, & computer programming.



Dr. Laura Galloway
Commonwealth Professor of Biology, University of Virginia
Plant evolution & genetics



Dr. Georg Jander
Professor, Boyce Thompson Institute
Plant-insect interactions & biotechnology.



Dr. Ruth Shaw
Professor, University of Minnesota
Ecology, evolution, & behavior.



Dr. Jim Westwood
Professor, Virginia Tech
Genomics of parasitic plants.



Dr. David Habier
Senior Research Scientist, Corteva agriscience
Methodology & software innovations team lead.



Dr. Karolina Heyduk
Post-Doctoral Researcher, University of Georgia
Evolutionary genetics, genomics & bioinformatics, biochemistry & physiology.



William Jordan
PhD Candidate, University of Georgia
Mechanisms of epigenetic inheritance, epigenome engineering.



Kristen Nolting
PhD Candidate, University of Connecticut
Species diversification, trait diversification, and community assembly.



Anju Giri
PhD Candidate, Kansas State University
Agronomy & Plant Breeding.



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Symposium Sponsors



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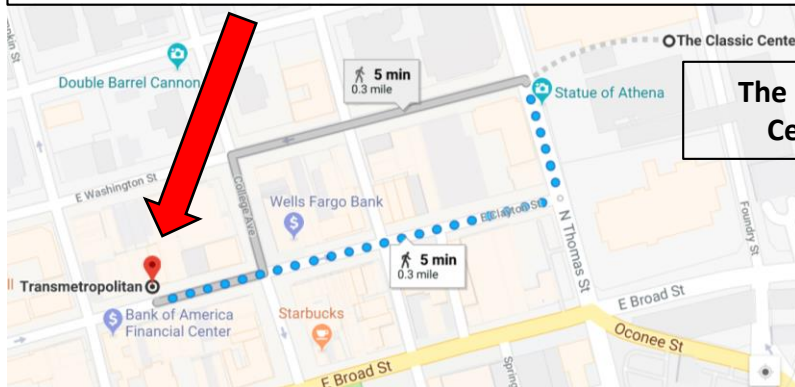
Organizing Committee

Amelia Lovelace, Plant Pathology (Chair)
Brigitte Hofmeister, IOB/Genetics
Rachel MacTavish, Genetics
Samuel Mantel, Genetics
Elizabeth Prenger, IPBGG
Shaun Stice, Plant Pathology
Kyle Swentowsky, Plant Biology
Gretchen Bowen, Accountant
Scott Jackson, Faculty Advisor

The Plant Center
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Department of Horticulture
Department of Plant Pathology
Department of Genetics
Department of Crop & Soil Sciences

Directions to Social at Transmetropolitan

Transmetropolitan – 145 E Clayton St.



The Classic
Center



Special thanks to Adam Bewick for the design of some promotional materials.