

14TH ANNUAL PLANT BIOLOGY INITIATIVE SYMPOSIUM

MATE CHOICE IN PLANTS

MAY 7, 2019

WELD HILL RESEARCH BUILDING
1300 CENTRE STREET
BOSTON, MA

2019 Poster Session

Stalks of Maturing Fern Sporangia Collapse to Regulate Capsule Dehydration and Spore Dispersal

Authors: Zeke Benshirim, Adam Graham, Zhe He, N. Michele Holbrook

Lead contact email: Zeke Benshirim (benshirim@college.harvard.edu)

Past, Present, and Future Nonstructural Carbohydrates: What Patterns in Carbohydrates Stores Can Reveal About the Trajectory of A Temperate Tree Species Under Climate Change

Authors: Meghan Blumstein, David Weston, Andrew Richardson, Robin Hopkins

Lead contact email: Meghan Blumstein (blumsteinm@gmail.com)

Exploring the Developmental and Genetic Basis of Complex Petal Morphologies in Bee- and Hummingbird-Pollinated *Aquilegia* (Columbine)

Authors: Molly Edwards, Evangeline S. Ballerini, Gary Choi, L. Mahadevan, Scott Hodges, Elena M. Kramer

Lead contact email: Molly Edwards (mollyedwards@g.harvard.edu)

Evolutionary History and Dynamics of Introgression Across *Phlox* Wildflowers

Authors: Austin Garner, Ben Goulet, Robin Hopkins

Lead contact email: Austin Garner (aggarner@g.harvard.edu)

Investigation of Parallel Hybrid Speciation in *Phlox*

Authors: Benjamin Goulet, Robin Hopkins

Lead contact email: Benjamin Goulet (bgoulet@g.harvard.edu)

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Awn Development and Function in the Grass *Brachypodium distachyon*

Authors: Michelle Henney, Erin Patterson, Amanda Schrager Lavelle, Devin O'Connor, Amy Cartwright, Madelaine Bartlett

Lead contact email: Michelle Henney (mheeney@umass.edu)

Live Confocal Imaging of *Aquilegia* Floral Meristem

Authors: Ya Min, Stephanie Conway, Elena Kramer

Lead contact email: Ya Min (yamin@g.harvard.edu)

Synergid Cell Calcium Oscillations Induced by Pollen Tube Contact Provide a Molecular Signature for Mate Recognition

Authors: Nathaniel Ponvert, Alexander Leydon, Mark A. Johnson

Lead contact email: Nathaniel Ponvert (nathaniel_ponvert@brown.edu)

Class I TCP Transcription Factors Repress *Petunia* Petal Growth in Regionally-Specific Manners

Authors: Jo Robertson, Nikita Puranik, Kyle Amerantes, Jill C. Preston

Lead contact email: Jill Preston (Jill.Preston@uvm.edu)

Phylogeny and Phylogeography of *Castanea* (Chestnuts and Chinquapins)

Authors: Elizabeth Spriggs

Lead contact email: Elizabeth Spriggs (espriggs@fas.harvard.edu)