

A Special Post Botany2019 Symposium
Sponsored by:



iDigBio
Integrated Digitized Biocollections

Early-career innovators in herbarium-enabled research and
future-proofing for the next waves of inventiveness

Thursday, August 1, 2019
7:30 am - 1:00 pm
Location TBA

This Society of Herbarium Curators-organized event, co-sponsored by iDigBio, will provide a venue for eight current and recent NSF Postdoctoral Fellows to present their herbarium-enabled research and provide fresh opinions on how collections can position themselves and the specimens and data that they curate to produce maximum research relevance in the next waves of innovation. These eight participants will present on a range of collections-enabled research topics, including such topics as Plant Invasions, Plant Responses to Extreme Events, Sand-Entrapment by Plants, Plant Extinctions on Islands, Evolution of Floral Scent, Herbarium Genomics, Parasitic Plants, and Tropical Tree Diversity. The 25-minute research talks will be interspersed with whole-group discussions of ideas raised by the speakers.

Speakers:

- **Emily Bellis**, Herbarium-enabled ecological modeling of a parasitic weed predicts host specialization and resistance, Penn State University, State College, PA.
- **Ian Breckheimer**, Computer vision, crowd-sourcing, and the synthetic future of herbaria, Harvard University Herbaria, Harvard University, Cambridge, MA.
- **Elliot Gardner**, Title TBA, Morton Arboretum, Lisle, IL.
- **J. Mason Heberling**, Quantifying functional trait changes through a century of invasion, Carnegie Museum of Natural History, Pittsburgh, PA.
- **Anna Johnson**, Using pollen on stigmas of herbarium specimens to document long term pollen transfer dynamics, Pennsylvania Natural Heritage Program, Pittsburgh, PA.
- **Eric LoPresti**, Title TBA, Michigan State University, East Lansing, MI.
- **Tracy Misiewicz**, Elucidating the role of natural selection in the diversification of an Amazonian tree: Integration of genomic, phenotypic, geographic and ecological data from herbarium collections, University of Oklahoma, Norman, OK.
- **Kathryn Turner**, Herbarium genomics of a plant invasion, Pennsylvania State University, State College, PA.

Organized by: **Austin Mast**, Department of Biological Science, Florida State University
and **Patrick Sweeny**, Peabody Museum of Natural History, Yale University

Please sign up for this symposia when you register for Botany2019.
Cost: \$45.00 includes Lunch and Snacks