

2022 Florida Rare Plant Task Force Agenda

Thursday, April 28, 2022 (Day 1 of 2)

9:00-9:05 *Welcome and conference overview with Cheryl Peterson and Jennifer Possley*

Keynote Address

9:05-9:50 **Abby Meyer**, Botanic Gardens Conservation International. “Metacollections in the next decade of botanic garden plant conservation.”

Session I - Assessments and state-wide collaborations

(25 minute presentations with 5 minutes for questions)

9:50-10:20 **Sara Johnson, David Zaya, and Brenda Molano-Flores**, Illinois Natural History Survey; and **Janice Coons**, Eastern Illinois University. “Reassessing the Conservation Status of Rare Species: A Case-study with *Macbridea alba*, a Florida Endemic Mint.”

10:20-10:50 **Hanna Rosner-Katz**, Florida Natural Areas Inventory; **Katie Heineman** and **Joyce Maschinski**, Center for Plant Conservation. “Florida Plant Rescue: Collection and Collaboration Lead to Conservation!”

10:50-11:00 *Break*

11:00-11:30 **Group Discussion**: annual discussion and information gathering for the Florida Plant Conservation Alliance. Led by **Houston Snead**, Jacksonville Zoo and Botanical Gardens.

11:30-Noon **Amy Jenkins, Hanna Rosner-Katz, and Frank Price**, Florida Natural Areas Inventory. “What’s New in 2022: An Update on FNAI’s Plant Conservation Projects.”

Noon-12:30 *Lunch break (rare plant photo slide show)*

Session II – Species research

12:30-1:00 **Gina R. Hanko**, Miami University; **Vivian Negron-Ortiz**, United States Fish and Wildlife Service; and **Richard C. Moore**, Miami University. “Using Genomic Analysis to Assess Diversity and Clonal Propagation of the Florida Skullcap (*Scutellaria floridana*).”

1:00-1:30 **Sterling A. Herron, Haley Dole, Stephanie M. Koontz, Scott G. Ward, Aaron S. David, and Eric S. Menges**, Archbold Biological Station. “Long-term persistence and fire effects on the rare scrub lichen *Cladonia perforata*.”

1:30-2:00 **Jay Horn**, Florida Gulf Coast University. “Title TBD.”

- 2:00-2:30 **Shawn C. McCourt** and **Sally M. Chambers**, Marie Selby Botanical Gardens. “Assessment and Conservation of the Aboriginal Prickly-Apple Cactus *Harrisia aboriginum*.”
- 2:30-2:40 *Break*
- 2:40-3:10 **Brenda Molano-Flores**, Illinois Natural History Survey; **Janice Coons**, Eastern Illinois University; **Sara Johnson**, Illinois Natural History Survey; **Jenna Annis**, Florida Natural Areas Inventory; and **Nancy Coutant**, Eastern Illinois University. “*Ex-situ* Germination for Seeds, Some Buried, from Different Populations of *Pinguicula ionantha* and Two Congeners.”
- 3:10-3:40 **O.U. Onokpise**, **T. Brown**, **F. Gainous**, and **G. Nurse**, Brooksville Agricultural and Environmental Research Station, Florida A&M University, and **C. Peterson**, Bok Tower Gardens. “Brooksville Bellflower Habitat Restoration through cow grazing pressure.”
- 3:40-4:10 **Brian J. Sidoti**, **Sabine Wintergerst**, **Jamie Anderson**, Fairchild Tropical Botanic Garden, **Jolynne Woodmansee**, **Cristina Whelan**, **Jonathan Benites**, **Alyssa Cabrera**, **Angela Calzadilla**, **Gabriela Chong Kam**, **Gian Comprendio**, **Joshua Cooper**, **Megan Distelhorst**, **Diego Godoy**, **Marina Gomez-Valdes**, **Jesenia Leon**, **Jacob Lorenzo**, **Isabella Mendizabal**, **Jean Moreno-Gongora**, **Bryce Nunez**, **Adelise Olmo**, **Jean Peguero**, **Micheal Penton**, **Gladys Quezada**, **Ray Rodriguez**, and **Nicole Silva**, BioTECH at Richmond Heights, “Bromeliad conservations projects *in-situ* at Fairchild Tropical Botanic Garden.”
- 4:10-4:40 **Maria T. Vogel**, Miami University; **Dr. Vivian Negrón-Ortiz**, US Fish and Wildlife Service, and **Richard Moore**, Miami University. “Conservation findings of petitioned Henry’s Spiderlily (*Hymenocallis henryae*).”
- 4:40-5:10 **Aaron S. David** and **Haley Dole**, Archbold Biological Station; **Suzanne Kennedy**, Floravista, Inc.; **Stephanie Koontz**, **Scott G. Ward**, and **Eric S. Menges**, Archbold Biological Station. “Introductions and augmentations of two species of *Dicerandra* in Florida scrub.”
- 5:10-5:15 *Wrap-up and overview of tomorrow.*

Friday, April 29, 2022 (Day 2 of 2)

Morning Field Trips

9:00-Noon *In-person field trips throughout the state (see registration form).*

Noon-12:45 *Lunch break*

Afternoon Poster Session

(10 minute presentations with 5 minutes for questions)

12:45-12:50 *Introduction with Whitney Costner and Jennifer Possley*

- 12:50-1:05 **Haley E. Dole, Eric S. Menges and Aaron S. David**, Archbold Biological Station. “Rapid reestablishment of insect herbivory following fire on *Lyonia fruticosa*, an ericaceous shrub of the Florida scrub.”
- 1:05-1:20 **Jennifer Possley**, Fairchild Tropical Botanic Garden; **Colleen Werner**, Florida Forest Service, Withlacoochee State Forest; and **Lindsey Riibe**, University of Florida. “Overview of recent rare fern collaborations.”
- 1:20-1:35 **Ella Segal and Aaron S. David**, Archbold Biological Station. “Characterizing the vertical structure of *Paronychia chartacea* and *Hypericum cumulicola* seed banks across habitats and disturbance histories in the Florida scrub.”
- 1:35-1:50 **Hyland Alfonso**, Ouachita Baptist University, **Cheryl Peterson**, Bok Tower Gardens, **Christin L. Pruett**, Ouachita Baptist University. “Genetic diversity and population structure of an endangered Florida endemic, *Warea amplexifolia*.”
- 1:50-2:05 **Bárbara Nogueira Souza Costa, Regina Gonzalez, Daniel Tucker, Amir Sayeed Sabir and Amir Ali Khoddamzadeh**, Florida International University. “Nitrogen Management Using Non-Destructive Optical Sensors in Wild Coffee.”
- 2:05 – 2:15 *Break*
- 2:15-2:30 **Brittany Harris and Suzanne Koptur**, Florida International University. “Pollination of the endangered sand flax, *Linum arenicola* (Linaceae), in the lower Florida Keys.”
- 2:30-2:45 **Daniel Tucker, Bárbara Nogueira Souza Costa and Amir Ali Khoddamzadeh**, Florida International University. “Application of Optical Sensor Technologies for Fertilizer Management Optimization in *Chrysobalanus icaco*.”
- 2:45-3:00 **Amber G. Gardner**, Florida Fish and Wildlife Conservation Commission, and **Héctor E. Pérez**, University of Florida. “*Harperocallis flava* seeds may exhibit interpopulation differences in storage physiology, showing signs of orthodox and intermediate storage behavior.”
- 3:00-3:15 **Danny Young**, Young Bear Environmental. “Microhabitat requirements of Rugel’s pawpaw, *Deeringothamnus rugelii*.”
- 3:15-3:30 **Sonali Saha**, Miami Dade College; **Erika Bonnema**, Miami Beach Botanical Garden; **Caroline Castro**, Phillip and Patricia Frost Museum of Science; and **Vanessa Diaz**. “Developing outreach to underscore the monumental role of coastal dunes of Miami Beach to the integrity of inland areas and ecosystems.”
- 3:30-3:45 **Syed Qadri**, South Florida State College; **Amanda Money**, University of Florida; and **Kate Calvin**, South Florida State College. “GC-MS Analysis of Bioactive Compounds in *Ziziphus celata*.”
- 3:45-4:00 **James Lange**, National Park Service; **George D. Gann**, The Institute for Regional Conservation; **Lydia Cuni**, Fairchild Tropical Botanic Garden; **Hong Liu**, Florida International University; **Kristie Wendelberger**, Rodale Institute Southeast Organic Center; **Erick Revuelta**, St. Johns River Water Management District; **Alexander Antonio Marino Lemus**, Florida International University; and **Cara A. Rockwell (presenter)**, Florida International University. “Assessment of post-hurricane shifts in a coastal plant community

and the decline of a federally listed threatened species at Northwest Cape Sable, Everglades National Park.”

4:00-4:15 **Theresa Chormanski** and **David Fundora**, Miami-Dade College. “Observations of Florida Native Fern Spore Germination and Sporophyte Formation.”

Wrap-up

4:15-4:45 *Conference synopsis, review of resources and important dates for 2022, report from field trips, conference feedback, and ideas for next year. Discussion and questions from all attendees will be encouraged.*