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


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.”


10:50-11:00 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.


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.”


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*.”


2:05 – 2:15 **Break**


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 rugelli*.”

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 Chormaniski 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.