



Board Report March 1, 2019 Botany 2019 Conference Overview

Participating Societies

American Bryological and Lichenological Society
American Fern Society
American Society of Plant Taxonomists
Botanical Society of America
International Association of Plant Taxonomists
Society of Herbarium Curators

Abstract Submissions

Oral and poster Presentations Opened February 1
Recent Topics and Lightning Talks will open in early June

Conference Registration Opened February 15

Conference Content

Confirmed Featured Speakers

Plenary Speaker – Stephan Pyne
BSA's Emerging Leader – Madelaine Bartlett
Regional Botany Special Lecture – Tom Van Devender
Annals of Botany Special Lecture – Elena Conti
ASPT Incoming President Talk – Pam Soltis
Enhancing Scientist Diversity in Plant Biology Luncheon Speaker -
Kaplan Memorial Lecture -
Incoming BSA President Talk - Linda Watson

Workshops

Complete descriptions are on the Botany 2019 website

Full Day 8:00 - 5:00 pm

- Using Digitized Herbarium Data in Research: Applications for Ecology, Phylogenetics, and Biogeography
Sponsored by NSF-funded iDigBio and BiotaPhy
- Broadening Botanical Pathways in Teaching
Presented by: Dr. Gordon Uno and Dr. Marshall Sundberg

Half Day Morning 8:00 am - 12:00 pm

- Underutilized Plants: Holistic Wealth Security of World
Presented by: Pandey Vashist
- Present Your Work in Three Minutes
Presented By: Bruce Kirchoff
- Scoring Phenology on Herbarium Specimens using Symbiota
Presented by: Ed Gilbert, Katie Kearson, Patrick Sweeny and Jenn Yost
- Using HHMI Videos and Data Points as Tools for Engaging Students From Molecules to Ecosystems
Presented by: Phil Gibson

2 Hour Morning 10:00 - 12:00 pm

- Authors in the Driver Seat: Evaluating Phenotypes Data Authoring Tools
Presented by: Hong Cui and Anton Reznicek

- Empowering citizen science leaders with tools for robust community engagement
Presented by: LoriAnne Barnett
- Professional Writing: Covering Personal Statements, Research Statements, and Teaching Statements
Presented by Chelsea Pretz

Half Day Afternoon 1:00 pm - 5:00 pm

- Machine learning with R for botanists
Presented by: Alexey Shipunov
- How to navigate in tree space: learning to generate clade names and computable clade definitions (phyloreferences) for the Tree of Life
Presented by: Nico Cellinese
- Automatic Updating of Phylogenies
Presented by: Martha Kandziora and Jasper Toscani Field

Two Hour Afternoon 1:00 - 3:00 pm

- Tips for Success: Applying to Graduate School
Presented by: Anna Monfils
- Timing is Everything! Using Phenology to Stimulate Interest by Undergraduate Students in the Plant Sciences and Climate Change
Presented By: Howard Neufeld

Two Hour Late Afternoon 3:15 - 5:15 pm

- Tools for building highly customized figures, for intermediate R users
Presented by: Glen Morrison and Alex Rajewski
- Strategies for successful faculty/undergraduate student collaborative research at PUIs
Presented by: Rachel Jabaily

Monday, July 29 - Noon - 1:00 pm

- National Science Foundation Information Session for faculty and other professionals
Presented by Representatives of NSF

Tuesday, July 30 - 4:30 - 5:30 pm

- National Science Foundation Information Session for early career individuals
Presented by Representatives of NSF

Ticketed Events

- All Society Mixer
- Undergraduate Reception
- Cornell Breakfast
- Michigan Consortium of Botanists Breakfast
- AFS Luncheon
- Careers in Botany – Student Luncheon
- California Botanists Brown Bag
- PlantingScience Reception
- Paleo Banquet
- Student Social
- University of Connecticut Breakfast
- Enhancing Scientist Diversity Luncheon
- Kaplan Memorial Reception
- ABLS Dinner
- OSU Reception
- LGBT and Friends Reception
- ASPT Mixer and Dinner
- University of Wisconsin Breakfast
- Miami of Ohio Breakfast
- All Society Celebrate!

Conference Enhancements

- Food Trucks
- Artist Extravaganza – Monday during the Poster Session
- Tequila Toast on the Patio each evening
- Sage Burning Ceremony each morning

Field Trips

Friday

- Overnight Fern Foray

Saturday

- Desert flora of the Tucson Mountains
- Lycophytes and Ferns of the Catalina Mountains
- Sky Island Plant Communities of the Santa Catalina Mountains
- Crop Wild Relatives Conservation in the Southwest
- West Cochise Stronghold, Dragoon Mountains.
- Desert Laboratory on Tumamoc Hill
- Bats of Southern Arizona
- Lighting for Moths and Other Insects of Southern Arizona

Sunday

- Pima County Native Plant Nursery
- Mount Lemmon, Santa Catalina Mountains
- Arizona Sonora Desert Museum
- Tohono Chul Park
- University of Arizona Campus: Herbarium, Campus Arboretum, and Laboratory of Tree Ring Research
- Hamilton Distillers

Thursday

- Mount Hopkins, Santa Rita Mountains
- Arizona Sonora Desert Museum

In Addition – each morning Plant Walks led by Botanists to explore the mountain flora

Symposia

- Phylogenomic Perspectives on Reproductive Isolation and Introgression
Deren Eaton, Columbia University
- Life without water: evolution and adaptation of xeric plants
Karolina Heyduk, Yale University
- The Potential of Machine Learning for Plant Biology
Pamela Soltis, University of Florida
- At the Intersection of Applied and Academic Botany: Fertile Ground for an Interdisciplinary Botanical Renaissance
Scott Schutte, Western Pennsylvania Conservancy
- Crop Wild Relatives and Land Races: The Sky Islands of Southwest North American Agriculture
Laura Klein, Saint Louis University
- Green Land: Multiple Perspectives on Green Algal Evolution and the Earliest Land Plants.
Richard McCourt, Academy of Natural Sciences

Post Conference Symposium

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

Colloquia

- Floristics in North America: Current needs, priorities, and opportunities
Organized by: Neil Snow
- The evolution of functional traits in plants: is the giant still sleeping?
Organized by: Chase Mason, Juliana Medieros and Christina (Chris) Caruso
- Dynamics and Demography of Alpine Islands
Organized by: Seema Sheth, Dena Grossenbacher, and Meagan Oldfather
- Reticulate evolution and biogeography in ferns and lycophytes - a colloquium honoring Dr. David Barrington
Organized by: Weston Testo, Nikisha R Patel, and Michael A. Sundue
- Species delimitation in polyploid complexes
Organized by: Christoph Oberprieler and Bengt Oxelman
- Time to dig: the importance of underground storage organs in plant evolution
Organized by: Cody Howard
- Sexual selection in flowering plants: traits, processes, and estimation
Organized by: Shumei Chang
- Celebrating 15 years of SERNEC: Where we've been, where we are, & where we are going
Organized by: Zack Murrell and Michael Denslow
- Ecological factors that drive patterns of population genetic structure in plants
Organized by: Diana Gamba and Nathan Muchhala
- Donald J. Pinkava's legacy – the ASU Herbarium in the Sonoran Desert
Organized by: Kathleen Pigg and Stephanie Ickert-Bond
- Questioning Species and Species Complexes: A Colloquium in Honor of Dr. R. James Hickey
Organized by: Melanie Link-Perez and Michael Barker
- Pacific Biogeography
Organized by: Benjamin Potter and Warren Wagner
- Ericaceae: Systematics, Ecology, and Evolution
Organized by: Benjamin Potter

New this year

- CV Reviews for early career and students - staffed by volunteers from the participating Societies
- Special Symposia and Workshop designed by Ann Sakai to benefit and include local Tribal Colleges
- Special Symposia sponsored by IAPT – Young Investigators Symposia. IAPT rotates their annual meeting this year they will be holding it at Botany 2019
- Revised Code of Conduct is posted on the Conference website and registration site. It appears as a link to a pop-up box and you need to check the box that says you have read and understand it before you can proceed with registering.
- Travel Ban Statement
- Anchorage will be exhibiting to pass out information about Botany 2020
- Cost/resource saving - Abstract book will be online only; working to reduce size of program book
- Working on a child care plan. We have quotes from on-site child care "companies", as well as nanny services. We have sent out a survey to determine the need. Hope to have results and a plan shortly.

Coming Soon

- Boise Contract
- October planning meeting in Anchorage

Action Item:

- I would like to request funding again this year for student members of BSA to take field trips. Last year we supported 22 students with \$1850.00 Amount requested: \$3000.00