



## Participating Societies

Mycological Society of America  
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 March 2, 2021  
Recent Topics and Lightening Talks will open in early June

## Conference Registration will open soon

To include demographic survey

## Conference Content

### Confirmed Featured Speakers

Plenary Speaker – Beronda Montgomery  
BSA's Emerging Leader – Christopher Muir  
*Annals of Botany* Special Lecture – TBD  
ASPT Incoming President Talk – Carolyn Ferguson  
Enhancing Scientist Diversity in Plant Biology Speaker - TBD  
BSA Incoming President Talk – Michael Donoghue  
MSA Presidential Address - Marc Cubeta  
MSA Karling Lecture – Anita Sil  
Kaplan Address - Maria Alejandra Gandolfo Nixon

## Workshops (will be presented on Sunday, July 18)

Complete descriptions are on the Botany 2021 website

### All Day, 9:00 am - 5:00 pm

- Using deep learning with digitized herbarium specimen image data  
Submitted by: Richard Hodel, National Museum of Natural History
- Using Digitized Herbarium Data in Research: Applications for Ecology, Phylogenetics, and Biogeography  
Submitted by: Pamela S. Soltis, University of Florida
- de novo genome assembly and annotation with an emphasis on phylogenetic and population genetic studies  
Submitted by: Jacob Landis, Cornell University and Boyce Thompson Institute
- Introduction to High-Throughput Sequencing: Techniques, Applications, and Analysis  
Submitted by: James Beck, Wichita State University

### Morning, Half-Day, 9:00 am - 12:00 pm

- Navigating the submission and peer review process  
Submitted by: Michelle Gaynor, University of Florida

### **Morning, 2-hour, 10:00 am - 12:00 pm**

- Creating A Platform to Connect Research Across Plant Families  
Submitted by: Chelsea Pretz – University of Colorado
- Deep Learning-Based Object Detection for Plant Scientists  
Submitted by: Christoph Oberprieler

### **Afternoon, Half-Day, 1:00 pm - 5:00 pm**

- Herbariomics-based biodiversity research: from specimen to phylogeny  
Submitted by: Liming Cai, University of California, Riverside

### **Afternoon, 2-hour, 1:00 pm - 3:00 pm**

- Challenges and successes of research at primarily undergraduate institutions: Jump starting your 2021-2022 research program  
Submitted by: Jennifer Ison, The College of Wooster

### **Not yet scheduled**

- Pre-conference Workshop – Ace It! Preparing your Presentation – Bruce Kirhoff – maybe mid-June
- Tips for Success – Applying to Graduate School -Anna Monfils

### **Proposed Gatherings**

- Cornell Breakfast
- Michigan Consortium of Botanists Breakfast
- AFS Luncheon
- Careers in Botany – “Student Luncheon”
- California Botanists Brown Bag
- Student Networking Social
- BIPOC Mixer
- University of Connecticut Breakfast
- Enhancing Scientist Diversity “Luncheon”
- LGBT and Friends Reception
- University of Wisconsin Breakfast
- Miami of Ohio Breakfast
- Sci-Comm Events
- MSA Auction

### **Symposia**

- Frontiers in Botany: Environmental DNA as an Emerging Tool for Measuring, Monitoring, and Managing Plant Biodiversity  
Organized by: Brenda Molano-Flores and Mark Davis  
Sponsored by: ASPT, BSA, and BSA Ecology, Genetics, and Northeast Sections
- The Hills are Alive: Ecology and Evolution of the Intermountain West Flora  
Organized by: Catherine Rushworth and Susana Wadgyar  
Sponsored by: ASPT, BSA, and BSA Ecology, Economic Botany, and Northeast Sections
- Applications of CRISPR technology across the plant tree of life  
Organized by: Shengchen Shan, Douglas E. Soltis, Pamela S. Soltis, W. Brad Barbazuk, and Bing Yang  
Sponsored by: BSA, and BSA Economic Botany, Genetics, and Northeast Sections
- The Botany of Invasions  
Organized by: Nicholas Kooyers, Brittany Sutherland, Craig Barrett, Maribeth Latvis, Erin Sigel, Michael McKain, and James Beck  
Sponsored by: ASPT, BSA, and BSA Ecology, Genetics, and Northeast Sections

- Gene regulatory networks in fungal development and morphogenesis - towards fungal evo-devo  
Organized by: Jaqueline Hess and Laszlo G. Nagy  
Sponsored by: MSA and BSA Mycological Section

## Colloquia

- Chromosome and Karyotype Evolution in Plants  
Organized by: Rebekah Mohn and Amanda Grusz
- Mechanisms underlying exceptional plant diversity across eastern Asia  
Organized by: AJ Harris and Huafeng Wang
- Reasons for Rarity? Exploring Acclimatory and Adaptive Constraints to Commonness  
Organized by: Jennifer Cruse-Sanders and Jennifer Nagel Boyd
- PhyloCode 2020: Naming the Tree of Life  
Organized by: Nico Cellinese and Michael Donoghue
- The Contribution of Regional Flora Projects to the Global Strategy for Plant Conservation  
Organized by: Nina Rønsted and David Lorence
- Enhancing Quality and Use of Herbarium Collection Data through Community Data Curation  
Organized by: Joe Miller, Gil Nelson, Erica Krimmel, Anne Bruneau, Barbara M. Thiers, and Sandy Knapp
- Darwins' reversals: What we now know about Feralization and Crop Wild Relatives  
Organized by: Makenzie Mabry and Alex C. McAlvay
- Modeling the processes that mediate speciation and extinction rates across plants  
Organized by: Carrie Tribble and Rosana Zenil-Ferguson
- Phytochemistry: From atoms to organisms  
Organized by: Gaurav Moghe and Robert Raguso
- Speciation Mechanisms in Plants  
Organized by: Patricia Bedinger, Lila Fishman, Kathleen Kay, Jeremiah Busch, and Susan Kalisz

## Potential Conference Enhancements

- Yoga and Mindfulness sessions
- Botany Trivia Game – organized by Minya and Others
- MSA Musicians – jam session
- Botanical Drawing sessions
- Interest groups breakouts – iNaturalist, backpacking, cooking with plants, others?
- Legacy Society special event
- “Lunch” with a Board Member, Professor or Editor
- CV Review Sessions
- Black Botanists Week Pre-Events/Discussion Session (one-hour panel discussion; short promo video and infographic)
- Potential collaboration with ASPB
- Meet and greet with BSA officers (envisioned as an information session to get people thinking about running for elected offices within the society; BSA student reps have some ideas about how to structure this)

## Future Conferences

- Re-Negotiated the contract with Boise - without penalties – July 18-25, 2024