



# Botany 2015

*Science and Plants for People*





**July 25 - 29, 2015 The Shaw Conference Centre  
Edmonton, Alberta - Canada**

## **Symposia & Colloquia**

### **Symposia and Colloquia Schedule**

**Monday, July 27th**

#### **Morning**

**[Phylogenomics and the 1000 plants \(1KP\) initiative](#)**

Sponsored by BSA Systematics and Genetics Sections, ASPT  
Jim Leebens-Mack, Gane Ka-Shu Wong

**[A Broader view for Plant EvoDevo: novel approaches for diverse model systems](#)**

Sponsored by BSA Genetics and Development and Structural Sections  
Organized by Veronica S Di Stilio, Jill Preston, Rebecca Povilus

**[Plant Secondary Chemistry: from Biochemistry to Applications](#)**

Sponsored by: Plant Canada  
Organized by John Markham

**[Ecological and evolutionary attributes of bryophytes of the boreal and arctic regions; New paradigms from interdisciplinary research](#)**

Sponsored by ABLs  
Organized by Dale Vitt, Catherine Le Farge

#### **Afternoon**

**[Recent advances in phylogeny and systematics of Brassicaceae](#)**

Sponsored by IAPT  
Karol Marhold, Martin Lysak

**Blended Learning and Educational Technology to enhance Biology**

Sponsored by CBA, CSPB, Plant Canada, and BSA Teaching Section

Organized by Christine Petersen, Carina Anttila-Suarez, Madoka Gray-Mitsumune

**Morphospaces, Morphometrics, and Phylogenetics**

Sponsored by ASPT, BSA Systematics, Paleo and Development and Structural Sections

Organized by Juerg Schoenenberger, Marion Chartier, Ricardo Kriebel

**Basic and applied approaches to improve disease resistance in plants**

Sponsored by CPS, CSPB, and Plant Canada

Organized by Deena Errampalli

**Tuesday, July 28th**

**Morning**

**Underutilized Crops for Secure and Green Futures**

Sponsored by BSA Genetics, Systematics, Tropical Biology, and Economic Botany Sections, ASPT and Northwestern University

Organized by Nyree J.C. Zerega, Rachel Meyer, Allison Miller

**Celebrating More Than Three Decades of Research in Nymphaeales: A Colloquium Honoring Ed Schneider**

Sponsored by BSA Developmental and Structural Section

Ranessa L Cooper, Mackenzie Taylor

**Ecological impacts and restoration of industrial sites: roles of bryophytes and graminoid vascular plants**

Sponsored by CBA and BSA Ecological Section

Organized by Nicole Fenton, Line Rochefort, Eric Morgan

**What can Next Generation Fungal Genome Sequencing do for you?**

Sponsored by CPS, Plant Canada, and MSA

Organized by Tom Hsiang, Ning Zhang

**Afternoon**

**Integrated perspectives on the ecology, genetics and coevolution of intimate mutualisms**

Sponsored by BSA Genetics and Ecological Sections

Eric Von Wettberg, Jim Leebens-Mack, Jeremy Yoder

**Advances in Modelling Plant Development**

Sponsored by CBA, and BSA Development and Structural Section

Organized by Moira Elspeth Galway

**The rise and fall of photosynthate: Evolution of plant/fungus interactions from paleobotanical and phylogenomic perspectives**

Sponsored by CBA, MSA, BSA Paleobotanical Section and *The New Phytologist Journal*

Organized by Mary Berbee, Christine Strullu-Derrien, David Hibbett

**Desiccation tolerance in bryophytes: perspectives from early career scientists**

Sponsored by ABLs

Organized by Lloyd R Stark and Nancy Slack

**Wednesday, July 29th**

## Morning

### [Lab Bench to Boardroom: Developing Plant Science Ideas](#)

Sponsored by CSPB

Richard Glen Uhrig, Amanda Gregoris

### [Forest Tree Responses to a Changing Climate](#)

Sponsored by BSA Physiology Section

Organized by Rachel Spicer

### [The negotiated surveillance of parts and wholes: a symbioses-centered perspective on plant biology research](#)

Sponsored by ABLs

Organized by Larry St.Clair , Steven Leavitt, Thorsten Lumbsch

### [Ecological diversification and niche evolution in the temperate zone largest genus: Carex](#)

Sponsored by ASPT and BSA Systematics Section

Organized by Andrew L Hipp, Pedro Jimenez-Mejias, Marcia Waterway, Marlene Hahn, Eric H Roalson

### [Mesozoic and Cenozoic plant evolution and biotic change: A symposium in honor of Ruth Stockey](#)

Sponsored by BSA Paleo and Developmental and Structural Sections

Organized by Ashley A Klymiuk, Selena Smith, Stefan A Little

## Afternoon

### [The evolutionary importance of polyploidy](#)

Sponsored by ASPT and BSA Systematics Section

Organized by Michael Shane Barker, Samuel Scarpino, Itay Mayrose

### [Mesozoic and Cenozoic plant evolution and biotic change: A symposium in honor of Ruth Stockey](#)

Sponsored by BSA Paleo and Developmental and Structural Sections

Organized by Ashley A Klymiuk, Selena Smith, Stefan A Little

### [Plant Resilience to Climate Challenges](#)

Sponsored by CSPB, and Plant Canada

Organized by Geoffrey Wasteneys

### [Phylogenetic approaches to understanding biodiversity and endemism](#)

Sponsored by BSA Systematics Section and ASPT

Organized by Pamela Roxanne Kellar, Brent Mishler

## Exhibitors and Sponsors



## Especially for Students

- Need a roommate to share expenses - use our [roommate matching service](#)
- Thank you for your interest in volunteering at Botany 2015. As of right now all students chosen to volunteer have been contacted. If you have any questions, please contact Kathryn Bornhoeft at [kathryn@botany.org](mailto:kathryn@botany.org).
- Sign up for WS 9 - [Professional Development Workshop: Graduate School, How to Apply and What to Expect](#)
- Don't forget to sign up for TE 5 - Careers in Botany: Interactive Career Panel & Luncheon and TE 11 Student Social and Networking Event. Sign back into the registration site and add them in!

## Important Dates

July	<b>Workshops</b>
<b>26</b>	Botany 2015 Opening Reception
July	<b>Scientific Program</b>

**27**

July

**Scientific Program**

**28**

July

**Scientific Program**

**29**

**All-Society Awards Celebration**

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