



## 2024 Poster Session

### Cadmium Tolerance in Grafted Tomato Plants: Multi-Omics Approaches and Insights into Phytochelatin Synthesis

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### Increasing CO<sub>2</sub> reduces insect herbivory on tropical tree seedlings

**Authors:** Luke Zehr, Cecilia M. Prada, Benton Taylor  
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### Isolating and Assessing Seed Endophytic Microbes from Weedy vs. Cultivated Rice (*Oryza sativa*) for their Potential Plant Growth Promoting Roles

**Authors:** Rachel L. Tavares, Allen French, Ana L. Caidedo  
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### Effects of Early Snowmelt on Nitrogen Cycling and Root Production in a Northern Hardwood Forest

**Authors:** Stephen Caron, Pamela Templer  
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### Root-microbe interaction in the rhizosphere in a Mediterranean forest

**Authors:** Sophie Obersteiner, Yaara Oppenheimer-Shaan, Dagan Sade, Tamir Klein  
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### Relieving the transfusion tissue traffic jam: A network model of radial transport in conifer needles

**Authors:** Melissa H. Mai, Chen Gao, Peter A.R. Bork, Alexander Schulz, Thomas Bohr, N. Michele Holbrook  
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### Fungal and bacterial guild composition and gene proportions explain soil nitrogen and phosphorus cycling

**Authors:** Corinne Vietorisz, Nahuel Policelli, Abigail Li, Lindsey Adams, Jennifer M. Bhatnagar  
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**Tense times for trees: Hydraulic and mechanical tradeoffs in reaction wood**

**Authors:** Sophie Everbach, N. Michele Holbrook

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**Hornwort gametophytic pores (HGPs) – Are they stomata?**

**Authors:** James Fortin, Andrew Drinnan, William E. Friedman

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**The mycorrhizal type of neighboring trees drives different competitive dynamics for arbuscular and ectomycorrhizal tree species**

**Authors:** Carina Berlingeri, Benton Taylor

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**The developmental mechanisms of petal diversity in the *Ranunculaceae* family**

**Authors:** Grace Pisano, Elena Kramer

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**Tropaeolaceae as a model system to study the evolution and development of morphological traits**

**Authors:** Sebastián Martínez-Salazar, Yan Gong, Natalia Pabón-Mora, Elena Kramer

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**Science IRL: A scicomm platform about being a scientist, in real life**

**Authors:** Molly Edwards

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**Decoding the Cellular and Genetic Basis of Nectary Development in *Aquilegia***

**Authors:** Yan Gong, Ya Min, Stephanie J. Conway, Elena M. Kramer

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**A developmental and transcriptomic exploration of staminode identity in *Loasaceae***

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**Belowground plant carbon inputs mitigate elevated soil respiration observed under warming and nitrogen addition**

**Authors:** T. Muratore, N.C. Chari, M.A. Knorr, B.N. Taylor, R.P. Phillips, S.D. Frey

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**Nitrogen fixer proximity influences foliar chemistry in neighboring tundra plants**

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