

Physiological Section Annual Report, July 2020

At the virtual BOTANY 2020 conference, the Physiological Section will have 16 contributed papers and nine posters in ecophysiology. The physiology sessions will have 10 contributed papers and four posters. Physiological section sessions will host 7% of the contributed papers and 6% of the posters presented at this meeting. Currently, there are 207 BSA members in the physiological section.

The Physiological Section is sponsoring one Symposia:

“From Genes to Distributions: physiological ecology as an integrator of polyploid biology”, organized by Christopher P. Krieg, University of Florida, and Steven Augustine, and Thomas Givnish, both of University of Wisconsin-Madison.

Current Section officers (end of three-year term)

Chair (2020)	Program Director (2021)	Treasurer (2022)
Arthur Schwarz Southwestern Adventist University Keene, TX 76059 schwarz.arthur@swau.edu	Anna Jacobsen California State University, Bakersfield 9001 Stockdale Highway Bakersfield, CA 93311 ajacobsen@csu.edu	Anitra Thorhaug Yale University School of Forestry and Environmental Studies 370 Prospect Ave. New Haven, CT 06511 athorhaug@msn.com

Given the virtual conference in 2020, we are putting off elections until next year. Current officers will continue to serve.

Student Awardees at Tuscon (BOTANY 2019)

The Physiological Section had several good papers, so much so that two categories were tied!

Physiological Section Li-Cor Prize

Lauren Tucker and **Amanda Salvi** tied for the **LI-COR Prize for an Oral Paper**

Lauren Tucker, California State Polytechnic University, Pomona, for the presentation: [Recovery of California black walnut trees following drought induced dieback](#). Co-authors: Frank Ewers, Stephen Davis, Edward Bobich

Amanda Salvi, University Of Wisconsin-Madison, for the presentation: [Mesophyll photosynthetic sensitivity to leaf water potential increases in *Eucalyptus* species native to moister Australian climates: a new dimension of plant adaptation to drought](#). Co-authors: Duncan D. Smith, Kate McCulloh, Thomas Givnish

Steven Augustine and **Katie Krogmeier** tied for the **LI-COR Prize for Best Poster**

Steven Augustine, University of Wisconsin - Madison, for the poster: [Going for broke: carbon and water relations of germinant conifer seedlings exposed to drought](#). Co-author: Kate McCulloh

Katie Krogmeier, Appalachian State University, for the Poster: [Investigating potential impacts of polyploidy on the](#)

[ecophysiological responses of *Solidago altissima* to climate change](#). Co-authors: Howard Neufeld, Erica Pauer

Physiological Section Student Presentation Awards

Helen Holmlund, University of CA, Santa Cruz, for the **Best Oral Presentation: [High-resolution computed tomography reveals dynamics of desiccation and rehydration in a desiccation-tolerant fern](#)**. Co-authors: Brandon Pratt, Anna Jacobsen, Stephen Davis, Jarmila Pittermann

Submitted by Arthur G Schwarz