Symposium Program
45th Annual Southern California Botanists Symposium
New Frontiers in the Botany: Discoveries and Emerging Tools
Saturday, October 5, 2019
Pomona College—Seaver Auditorium

8:00-9:00 am. Registration
9:00-9:10 am. Annual SCB Business Meeting
9:10-9:15 am. Opening Remarks


9:45-10:15 am. Species delimitation in the genomic era: The role of morphology, Sarah Jacobs Ph.D. presenting for Felipe Zapata Ph.D., University of California Los Angeles.

10:15-10:45 am. BREAK


11:25-11.55 am. Plant Discovery in California. Dean Wm. Taylor, Ph.D.

11:55-1:30 pm. LUNCH

1:30-2:00 pm. Chloroplast genome evolution in the parasitic sandalwood order, Santalales. Joshua Der, Ph.D., Assistant Professor, California State University, Fullerton.

2:00-2:35 pm. Rethinking the Herbarium Specimen in the Digital Age. Mason Heberling Ph.D., Assistant Curator of Botany, Carnegie Museum of Natural History.

2:35-3:15 pm. BREAK


4:30-4:45 pm. Closing Remarks

Evening Events Continue at Rancho Santa Ana Botanic Garden
5:00-8:00 pm. Mixer at Rancho Santa Ana Botanic Garden

5:30-6:30pm Poster Session, East Classroom Rancho Santa Ana Botanic Garden

5:30-7:30pm Dinner Service: Luchador Urban Taqueria ($20 meal ticket required for dinner).

6:00-7:00pm Sage Against the Machine. Johnson’s Oval, Rancho Santa Ana Botanic Garden
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Poster Session 5:30 to 6:30 pm to be held in the East Classroom at Rancho Santa Ana Botanic Garden.

1. Augmenting the smallest California endangered *Dudleya brevifolia* population. Stacy Anderson¹, Joe Davitt¹, David Hogan², Joyce Maschinski¹,³, Tobin Weatherston¹, ¹San Diego Zoo Global, ²The Chaparral Lands Conservancy, and ³Center for Plant Conservation
2. Testing the effects of site selection and artificial shelters on native plant recruitment from seed in a degraded coastal sage scrub restoration. Marlee Antill, Erin Questad, California State Polytechnic University, Pomona
3. Nutlet diversity of Amsinckiinae in western North America. Amsinckiinae Working Group: Eli Balderas¹, C. Matt Guilliams¹, Kristen E. Hasenstab-Lehman¹, Makenzie E. Mabry², Michael G. Simpson³; ¹Department of Conservation and Research, Santa Barbara Botanic Garden; ²Pires Lab, University of Missouri; ³Department of Biology, San Diego State
4. Evaluating the circumscription of varieties of the Seaside fiddleneck *Amsinckia spectabilis* (Boraginaceae) using morphometric analyses of fruit characters. Eli Balderas¹,², C. Matt Guilliams¹, and Kristen Hasenstab-Lehman¹, ¹Department of Conservation and Research, Santa Barbara Botanic Garden, ²University of California at Santa Barbara
5. Revival of the UC Irvine Herbarium. Rebecca E. Crowe, Peter A. Bowler, UC Irvine Arboretum and Herbarium
7. Sage in the sun: Leaf and shrub level traits involved in heat exchange processes in co-occurring *Salvia apiana* and *Salvia mellifera*. Caitlin Hazelquist, Ariana Dorticos, Jeremy Read, and John Skillman, California State University, San Bernardino
8. A vascular flora of Conglomerate Mesa and Malpais Mesa, Inyo County, CA . Maria Jesus, Naomi Fraga, Rancho Santa Ana Botanic Garden, 1500 North College Ave, Claremont, CA 91711
9. NEON’s Public Library: building a network-wide open-access herbarium and biorepository for the digital age. Kate Ludwig, National Ecological Observatory Network, Domain 17, Fresno, CA
10. A Flora of the Chiquita Springs Basin, Santa Ana Mountains, Peninsular Ranges of Southern California. Harrison McGowen
11. Testing the temperatures: evaluating the effect of storage temperature on seed viability of *Eriastrum densifolium* ssp. *sanctorum*. Kassandra M. Rodriguez and Darren R. Sandquist, Physiological Plant Ecology Lab, California State University, Fullerton
12. A vascular flora of the upper Sespe Creek watershed, Ventura County, CA. Christina Varnava, Rancho Santa Ana Botanic Garden & Claremont Graduate University
13. Salinity Responses of the Desert Shrubs *Isocoma acradenia* and *Larrea tridentata*. Whitemore, KS., Ibarra, JL., Naquin, TE., Silva, MA., Cho, A., Teeple, JB., Schenk, JH., Mocko, K., Burnaford, JL., Hoese, WJ, California State University, Fullerton, Department of Biological Science