

2013 REU Summer Research Seminar Speakers

David Bogler, REU Coordinator, Missouri Botanical Garden, May 30

"Show Me: Geology, Geography, and Plant Communities of Missouri"

David Bogler, REU Coordinator, Missouri Botanical Garden, June 4

"Classification Conundrums in the Agave family: DNA to the rescue"

Raza Bhatti, Centre for Biodiversity & Conservation, Shah Abdul Latif University, June 6

"Desert Ecosystem Services: A case study of the Nara Desert-Sindh- Pakistan"

James Trager, Missouri Botanical Garden, Shaw Nature Reserve, June 11

"Ants, Pismires and Emmets"

Shirley Graham, Missouri Botanical Garden, June 13

"Introduction to Lythraceae, the Loosestrife family"

Peter Stevens, University of Missouri at St. Louis, June 18

"Angiosperm success and importance: trying to go beyond raw numbers"

Allison Miller, St. Louis University, June 20

"Getting to the roots of local adaptation: evolution, diversity, and conservation of North American grapevines"

Richard Keating, Missouri Botanical Garden, June 25

"Plants of the Bible"

John C. Willman, Washington University, June 27

"Microscopic perspectives on diet and the use of teeth-as-tools among Neandertals and early modern humans"

Jean Ponzi, Missouri Botanical Garden, July 2

"Sustainability 101: The Power of Plants"

Peter Bernhardt and Retha Meier, St. Louis University, July 9

*"Pollination and hybridization of large-flowered, *Thelymitra* spp. (Orchidaceae) in Western Australia."*

Quinn Long, Missouri Botanical Garden, CCSD, July 11

"Invasive Species Ecology"

Oyomoare Osazuwa-Peters, University of Missouri at St. Louis, July 16

"Radial variation in wood density of tropical tree species differing in growth mortality strategies"

Heritiana Ranarivelo, University of Missouri at St. Louis, July 16

*"Molecular phylogeny and variation of morphological characters within the *Vismieae* (Hypericaceae), with an emphasis on the Afro-Malagasy genus *Psorospermum*"*

Peter Hoch, Missouri Botanical Garden, July 18

"What plants at Shaw Nature Reserve tell us about climate change"

Eva Gonzales, St. Louis University, July 19

"Plant conservation genetics in a changing world: Consequences of evolutionary history and human introductions" (

George Yatskievych, Missouri Botanical Garden, July 23

"Overview of the Flora of Missouri Project"