

61st Annual Systematics Symposium

Missouri Botanical Garden, 10-11 October 2014

“Integrating Approaches to Macroevolution: Combining Fossils and Phylogeny”

This year's Symposium is dedicated to Dr. Alan Graham, Curator of Paleobotany & Palynology at the Missouri Botanical Garden, for his contributions to our understanding of the geologic history of New World vegetation and ecosystems, on the occasion of his 80th birthday in 2014

Friday 7:30-9:30 p.m. Informal mixer in Monsanto Center

Saturday 8:30 a.m. – 7:30 p.m. Scientific program, meals, and reception in Ridgway Center

CHARLES BELL	Dating clades with little to no fossil record: an example using Valerianaceae (Dipsacales)
DAN KSEPKA	Flying Rocks and Flying Clocks: Fossil and Molecular Evidence for the Timing of Crown Radiation of Birds
SUSANA MAGALLÓN	A meta-calibrated diversification study of flowering plants
STEVEN MANCHESTER	Assessing the fossil record of Asterids in the context of our current phylogenetic framework
SANTIAGO RAMÍREZ	Molecular and fossil data reveal the coevolutionary dynamics of a bee-orchid mutualism
SUSANNE RENNER	Using more than the oldest fossils - moving from node constraints to the fossilized birth-death process
GRAHAM SLATER	Tempo and mode of phenotypic evolution in the fossil record
SELENA SMITH	How novel approaches to the fossil record can help to better date phylogenies: examples from monocot flowering plants

Organizing committee: Alan Graham, Peter Hoch, Iván Jiménez, Peter Jørgensen, and James Miller

Registration must be accompanied by a registration fee of \$50.00, which covers the cost for refreshments at the Friday mixer and for beverage breaks, lunch, and reception on Saturday. **There will be no dinner on Saturday;** the Symposium will conclude following the reception, after which registrants can make their own dinner plans. There is no guarantee of lunch availability if you register after 22 September 2014.

No refunds will be granted after 22 September 2014.

SPACE LIMITS REGISTRATION TO 400; PLEASE REGISTER EARLY

For information on local hotels and motels, **poster submissions**, and program updates, please see (www.mobot.org/symposium) or contact Peter Hoch 314/577-5175; Fax 314/577-0820; peter.hoch@mobot.org.

Register electronically (www.mobot.org/mbgsystematicssymposium)

OR SUBMIT THIS FORM

I plan to attend the Systematics Symposium. Enclosed is my **\$50.00** registration fee (if applicable). Please make checks payable to “Missouri Botanical Garden.” I request vegetarian meals _____

My name and address: _____

Phone: _____ Fax: _____ Email: _____

Mail to: **Systematics Symposium, Missouri Botanical Garden, P. O. Box 299, St. Louis, MO 63166-0299**