

STRI Science Symposium Schedule

Earl S. Tupper Conference Center Auditorium, June 28-29, 2007, Panama City

"Annual intellectual feat... all-day series of presentation by people doing cutting edge work in a number of fields at this brilliant outpost of academia" *E. Jackson*

Thursday June 28, 2007, 8:30 am

Mike Ryan, University of Texas: Sexual selection drives speciation in one tungara frog (*Physalaemus petersi*) but not another (*P. pustulosus*)

Annette Aiello, STRI: *Pierella luna* (Nymphalidae: Satyrinae), males are from Lineland, females are from Flatland.

Hermógenes Fernández, STRI: With or without you: The dilemma of the fungus-growing ants and their symbiotic bacteria

Adam Smith, STRI: Social competition, body size, and parasitism influence the expression of helping behavior in the bee *Megalopta genalis*.

Coffee Break: 10:30-10:45 am

Ben Turner, STRI: Soils: The final frontier

Eloisa Lasso, University of Illinois at Urbana Champaign: Asexual reproduction: a critical regeneration pathway for small-seeded species that can persist in the understory?

Mike Kaspari, University of Oklahoma: Standing on the shoulders of Leibig: nutrients and function in some tropical forests

Luis D'Croz, STRI: Variability in upwelling along the Pacific shelf of Panama: implications for the distribution of nutrients and phytoplankton

Lunch, 12:30-1:30 pm (not provided)

Rachel Page, University of Texas: Foraging flexibility in the frog-eating bat, *Trachops cirrhosus*

Pablo Ribeiro, STRI: Sexual and non-sexual function of structure-building in a fiddler crab

Susan Laurance, STRI: Rapid change in Amazonian forest dynamics: effects of climate change?

Jorn Scharlemann, STRI: Trade-off between wildlife habitat and agriculture: a Brazilian case study

Coffee Break 3:10-3:30pm

Catherine Potvin, McGill University: Land-use, carbon and the international agenda.

Lucas Cernusak, STRI, Oxygen isotope composition of CAM and C3 *Clusia* species growing in a common garden in Panama

Sunshine Van Bael, STRI: Foliar endophytic fungi and herbivory in tropical plants

Jefferson Hall, STRI: Understanding ecosystem services in the Panama Canal watershed: the development of a long term research platform

Book presentation: *Ecología y evolución en los trópicos*

Edited by Egbert Giles Leigh, Jr., E. Allen Herre, Jeremy B.C. Jackson and Fernando Santos-Granero. Translated by Nélida Gómez

Dinner

Please R.S.V.P. to 212-8000

Friday, June 29, 2007, 8:30 am

Diana Carvajal, University of Calgary: Fishing, salting and smoking fish at Cueva Los Vampiros: a contextual and archeofaunal evaluation of a purported pre-Columbian fishing camp near Parita Bay

Ivania Ceron Souza, University of Puerto Rico: Dispersal limitations and genetic structure in two mangrove species

Corey Tarwater, University of Illinois at Urbana Champaign: Life history implications of the post-fledging period in a neotropical passerine

Grace Chen, Michigan State University: Premating floral isolation between *Costus allenii* and *C. villosissimus*

Coffee Break: 10:30-10:45am

Holly Jessop, University of Hawaii at Hilo: sibling sea urchin species of the genus *Echinothrix* in Hawaii: Unification of morphological characters with genetic clades

Justin Touchon, Boston University: Evolution of reproductive mode: phenotypic plasticity and selection on aquatic and terrestrial breeding in a neotropical treefrog

Mary Hart, University of Kentucky: Sex allocation and egg trading strategy in a simultaneous hermaphrodite: examining sexual conflicts in a mating system

Dominique Roche, McGill University: Panama, a melting pot of introduced aquatic species? Research on some important invaders in the Canal Watershed

Lunch: 12:30-1:30pm (not provided)

Myra Hughey, Boston University: Predator disruption of natural hatching: Consequences of plasticity in hatching time

Axel Concepción, University of Panama: Influencia de los compuestos polifenólicos en la dieta de los monos aulladores de la Isla de Barro Colorado

Jeffrey Barnes, Carleton University: Changing status and availability of cacao: A cultural keystone species among the Kuna of San Blas

Julio Agujetas, Heriot-Watt University: Ocean conditions, production and El Niño at the Gulf of Panama from in situ and satellite data

Coffee Break 3:10-3:30 pm

Katie Cramer, University of California at San Diego: Recent changes in Caribbean coral communities and the land use connection

Kelley Andersen, University of Illinois at Urbana Champaign: Soil-based resource partitioning in understory palms

Silane da Silva, Instituto Nacional de Pesquisas da Amazonian: Was there an Amazonian seaway during the Miocene?

Maria Gabriela Doria, Universidad Nacional de Colombia: Menispermaceae fossils from the Paleocene Cerrejón Formation, northern Colombia

Dinner

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