



# STRINNEWS

APR 10, 2015

## New Rescue Lab for Endangered Amphibians Opens in Panama



Full story: [www.stri.si.edu/issuu.com/strinewspanama](http://www.stri.si.edu/issuu.com/strinewspanama)

The Panama Amphibian Rescue & Conservation Project's new facilities in Gamboa were inaugurated this week. The facility will help scientists maintain breeding captive populations of Panamanian frogs that are endangered in the wild due to a fungal pathogen. The building's artwork was designed by Orosman De La Guardia and painted by Damond Kylo.

Esta semana se inauguraron en Gamboa las nuevas instalaciones del Proyecto de Rescate y Conservación de Anfibios de Panamá. El centro ayudará a los científicos a mantener la cría de poblaciones de ranas panameñas en cautiverio que en la naturaleza están en peligro debido a un hongo patógeno. El arte del edificio fue diseñado por Orosmán De La Guardia y pintado por Damond Kylo.



## WHAT'S HAPPENING AT STRI?

### FIELD COURSES and SPECIAL EVENTS

#### Princeton University - Semester in the field

Contact person: Lolly O'Brien

Feb 3 - Apr 30

#### MarineGEO Workshop

Contact person: Rachel Collin

Mar 28 - Apr 5

#### Bocas Earth Day Celebration

Contact person: Marlon Smith

April 17 - 22

## SEMINARS

### TUPPER SEMINAR

Tues., Apr. 14, 4pm

Harilaos Lessios

STRI

Tupper Auditorium

Evolution of Gamete Recognition Molecules in Echinoderms

### BAMBI SEMINAR

Thur., Apr. 16, 7:15pm

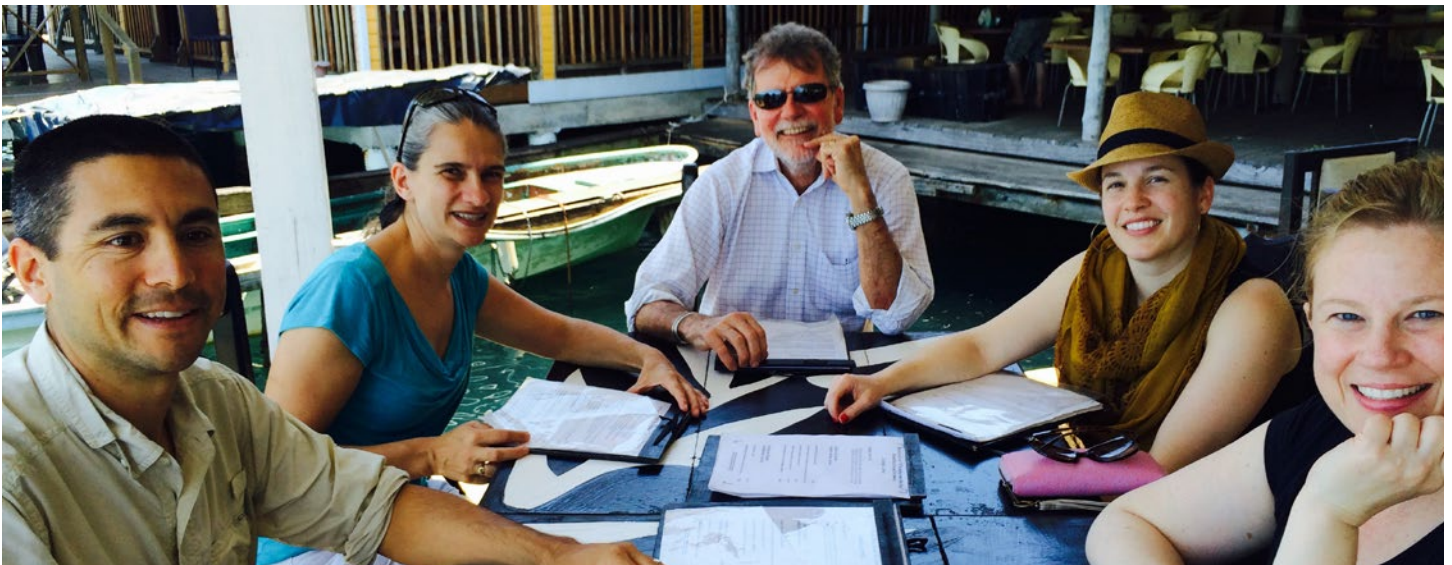
Chadtip Rodtassana

Department of Plant Sciences, University of Cambridge

Barro Colorado Island

Long-term litter manipulation changes fine root dynamics in lowland tropical forest, Panama





The Smithsonian Science Executive Committee (SEC) visited STRI March 22-29. SEC meets monthly with the interim undersecretary of science, John Kress (on left). SEC members visited various STRI facilities including Bocas Del Toro Research Station and the Gamboa bat labs, pictured here. from left: John Kress, interim Undersecretary for Science, R Page student, Scott Miller Deputy Under Secretary, Rachel Page, staff scientist STRI, Stacy Cavanaugh, Senior Executive officer, Stacy's son Gabriel, Bob Koestler, Director, Museum Conservation Institute, Cynthia Brandt-Stover, Campaign Director, Dylan Gomes, Rachel Page's student, Jenny McMillan, Senior Advancement Officer, Office of the Under Secretary for Science, Nancy Gwinn, Director of Libraries, Charles Alcock, Director, Harvard-Smithsonian Center for Astrophysics, Amy Marino, Senior Program Officer, Tuck Hines, director of the Smithsonian Environmental Research Center and Liza Fritzsche, Confidential Assistant.

Bottom photo (Bocas), from left: Andrew Altieri, Rachel Collin, John Kress, Jenny McMillan and Cynthia Brandt-Stover

El Comité Ejecutivo de Ciencias del Smithsonian (SEC) nos visitó del 22 al 29 marzo. El SEC se reúne mensualmente con el subsecretario interino de ciencia, John Kress (izq.). Los miembros visitaron diversas instalaciones del Smithsonian en Panamá, incluyendo la Estación de Investigación de Bocas del Toro y los laboratorios de estudios de murciélagos en Gamboa. De izq. a der. John Kress, Subsecretario de Ciencia Interino, estudiante R Page, Scott Miller Subsecretario Adjunto, Rachel Page, científica de STRI, Stacy Cavanaugh, oficial ejecutiva senior, el hijo de Stacy, Gabriel, Bob Koestler, Director del Instituto de Conservación de Museos, Cynthia Brandt-Stover, Directora de campaña, Dylan Gomes, estudiante de Rachel Page, Jenny McMillan, Oficial senior de Fomento, Oficina del Subsecretario de Ciencia, Nancy Gwinn, Directora de Bibliotecas, Charles Alcock, Director, del Centro Harvard-Smithsonian de Astrofísica, Amy Marino, Oficial Superior de Programas, Tuck Hines, Director del Centro de Investigaciones Ambientales del Smithsonian y Liza Fritzsche, Asistente confidencial.

Foto de abajo (Bocas) izq a der: Andrew Altieri, Rachel Collin, John Kress, Jenny McMillan y Cynthia Brandt-Stover

## ARRIVALS

**Diana Hsueh**

Columbia University

Are Eastern Tropical Pacific reefs becoming more resilient to ENSO?

[Panama](#)

**Richard Palmer**

University of Alberta

Comparative and Experimental Studies of Crustacean Morphology and Development: Alpheid shrimp, fiddler crabs, brachyuran crabs

[Naos Marine Lab and Bocas del Toro](#)

**Carlos Avendano**

Universidad de San Carlos de Guatemala

Exploring a sustainably managed Mayan landscape: Salinas Nueve Cerros, Las Verapaces, Guatemala

[Center for Tropical Paleoecology](#)

**Bettina Erregger and Marina Brunnhofer**

Karl Franzens University Graz

Acoustic signal detection of tropical insects under noise

[Barro Colorado Island](#)

**Mauricio Romero**

Pontificia Universidad Javeriana

**Cleo Chou and Maria Echeverry-Galvis**

Princeton University

Field Course - Princeton University Field Semester - 2015

[Galeta Station, Gamboa, Bocas del Toro, Tupper and Barro Colorado Island](#)

**Tizian Weichgrebe**

Carl von Ossietzky Universität Oldenburg

**Anais Bonnefond**

Université Montpellier II

Ecology of tropical epiphytes - Continuation

[Barro Colorado Island](#)

## DEPARTURES

**Owen Mcmillan**

To Raleigh and NC State

University, Durham and Duke University

To meet with colleagues and students at NCSU and Duke

**Carlos Guevara**

To Mariato, Veraguas

To locate temperature sensors

**Brigida De Gracia**

To Bocas Archipiélago, Chiriquí Grande

To do scientific diving for fish collection on the Caribbean, Archipelago and Coast of Bocas del Toro.

## PUBLICATIONS

Bader, E., Jung, K., Kalko, E. K. F., Page, R. A., Rodriguez, R. and Sattler, T. 2015. Mobility explains the response of aerial insectivorous bats to anthropogenic habitat change in the Neotropics. *Biological Conservation*, 186: 97-106. doi:10.1016/j.biocon.2015.02.028

Cardenas, R. E., Hattenschwiler, S., Valencia, R., Argoti, A. and Dangles, O. 2015. Plant herbivory responses through changes in leaf quality have no effect on subsequent leaf-litter decomposition in a neotropical rain forest tree community. *New Phytologist*, doi:10.1111/nph.13368

Jørgensen, C., Turner, B. L. and Reitzel, K. 2015. Identification of inositol hexakisphosphate binding sites in soils by selective extraction and solution 31P NMR spectroscopy. *Geoderma*, doi:10.1016/j.geoderma.2015.03.021

Paine, C. E. T., Amisshah, L., Auge, H., Baraloto, C., Baruffol, M., Bourland, N., Bruelheide, H., Dainou, K., de Gouvenain, R. C., Doucet, J., Doust, S., Fine, P. V. A., Fortunel, C., Haase, J., Holl, K. D., Jactel, H., Li, X., Kitajima, K., Koricheva, J., Martínez-Garza, C., Messier, C., Paquette, A., Philipson, C., Piotto, D., Poorter, L., et al. 2015. Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. *Journal of Ecology*; : n/a doi:10.1111/1365-2745.12401

Ripperger, S. P., Kalko, E. K. V., Rodríguez-Herrera, B., Mayer, F. and Tschapka, M. 2015. Frugivorous Bats Maintain Functional Habitat Connectivity in Agricultural Landscapes but Rely Strongly on Natural Forest Fragments. *PLoS One*, 10(4)doi:10.1371/journal.pone.0120535

Boyle, M. J. and Rice, M. E. 2014. Sipuncula: an emerging model of spiralian development and evolution. *International Journal of Developmental Biology*, 58: 485-499. doi:10.1387/ijdb.140095mb

Heckadon-Moreno, S. 2014. Campesinos del Chagres y el canal de Panamá. *Épocas*, 29(8): 10-11.

Perez, A. J., Hernandez, C., Romero-Saltos, H. and Valencia, R. 2014. Árboles emblemáticos de Yasuni, Ecuador Quito, Ecuador: *Publicaciones del Herbario QCA*; Escuela de Ciencias Biológicas; Pontificia Universidad Católica del Ecuador. (:) 395 pages.

Romero-Saltos, H., Hernandez, C. and Valencia, R. 2014. Diversidad y dinámica de árboles en una parcela de gran escala. In: Perez, A. J., Hernandez, C., Romero-Saltos, H. and Valencia, R., Arboles emblemáticos de Yasuni, Ecuador. Quito, Ecuador: Publicaciones del Herbario

QCA; Escuela de Ciencias Biológicas; Pontificia Universidad Católica del Ecuador,() pp.14-22.

Tanner, E. V. J., Rodriguez-Sanchez, E., Healey, J. R., Holdaway, R. J. and Bellingham, P. J. 2014. Long-term hurricane damage effects on tropical forest tree growth and mortality. *Ecology*, 95(10): 2974-2983.

Thomas, D., Burnham, R. J., Chuyon, G., Kenfack, D. and Sainge, M. N. 2014. Liana abundance and diversity in Cameroon's Korup National Park. In: : ,() pp.13-22.

Basset, Y., Novotny, V., Miller, S. E. and Kitching, R. L. 2006. Arthropods of tropical forests: spatio-temporal dynamics and resource use in the canopy. *European Journal of Entomology*, 103