



# STRI NEWS

JUN 26, 2015

## More Pygmy Sloths in Panama Than Previously Estimated

Isolated Species Provides Unique Conservation Opportunity



Escudo de Veraguas Island, Panama, home to the Pygmy Sloth  
Credit: Bryson Voirin

Isla Escudo de Veraguas, Panamá, hogar del perezoso pigmeo. Crédito de imagen: Bryson Voirin

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

### SEMINARS

#### TUPPER SEMINAR

Tues., Jun. 30, 4pm

Sean McMahon

SERC and STRI

Tupper Auditorium

The implications of cryptic phenology for global forest dynamics

#### TUPPER PUBLIC TALK

Wed., Jul. 1, 6pm

Liliana Londoño

STRI

El surgimiento del Istmo de Panamá

#### BAMBI SEMINAR

Thur., Jul. 2, 7:15pm

Egbert Leigh

STRI

Barro Colorado Island

The last evolutionary transition: Conceptual thought, language, and the Take-Off of cultural evolution

### WHAT'S HAPPENING AT STRI?

#### FIELD COURSES and SPECIAL EVENTS

**NSF-ARTS: Integrative Research and Training in Tropical Taxonomy Workshop on Tropical Phycology**

Contact person: Rachel Collin

June 20 – 5

**ForestGEO Workshop at Gamboa Resort**

Contact person: Kristin Powell

June 25 – July 9

**Hydroids Workshop**

Contact person: Rachel Collin

July 7 – 21

CTFS director Stuart Davies (right) at FORESTGEO/CTFS Lambir Plot. Photo by Christian Ziegler.







### **WORLD TURTLE DAY IN BOCAS DEL TORO**

On June 16, in Isla Colon Bocas del Toro, Sea Turtle Day was celebrated. In this activity more than 150 people participated, mostly students from schools in places like Isla Colon and Solarte, Bastimentos, Carenero, Bocas del Drago and private schools. They participated in the parade, games, contests, crafts and other activities. Then in the afternoon at the Simon Bolivar Park the event continued with crafts, paintings, and a movie about sea turtles. Photos by Marlon Smith.

### **DÍA MUNDIAL DE LA TORTUGA MARINA EN BOCAS DEL TORO**

El 16 de junio en Isla Colón Bocas del Toro se celebró el día de la Tortuga Marina, actividad en la cual participaron más de 150 personas en su mayoría estudiantes de escuelas de Isla Colón y lugares como Solarte, Bastimentos, Carenero, Bocas del drago y escuelas particulares. Todas estas escuelas participaron del desfile, juegos, concursos, manualidades y otras actividades, luego por la tarde en el parque Simón Bolívar se continuó el evento con manualidades, pinturas, y una película sobre tortugas marinas. Fotos por Marlon Smith.



## KIMBA (2000-2015)



Kimba, memorable mascot of the Galeta Point Marine Laboratory, has passed away (2000-2015). She had reached the age of in 105 in dog years. For fifteen years, this creature's cheerful, friendly and vivacious demeanor gave happiness to thousands.

She became a member of the Galeta team. When the buses would arrive with schoolchildren from across the country, Kimba was the first to welcome them and the last to wish them farewell. She was the inseparable companion of hundreds of scientists and students in this corner of the Caribbean where they study reefs, corals and mangroves.

Kimba leaves a long trail of friends among scientists from various continents. When writing to the Station the first thing they would ask was "How is Kimba doing?" We replied that she only lacked her cedula (Panamanian national identity card) and a ID STRI with her smiling face.

Kimba, rest in peace. Your spirit will be happy at Galeta.

Stanley Heckadon Moreno

Falleció Kimba, (2000-2015), inolvidable mascota del Laboratorio Marino de Punta Galeta. Tenía en edad perruna 105 años. Por tres lustros esta criatura de cara alegre, amistosa y vivaz dio felicidad a miles.

Al llegar busitos con niños de escuelas de todo el país, era la primera darles la bienvenida y en despedirlos. Fue compañera inseparable de cientos de científicos y sus estudiantes que, a este rincón del Caribe han vendido a investigar arrecifes, corales y manglares.

Deja vasta estela de amigos entre científicos de varios continentes. Cuando escribían lo primero que preguntaban era y como esta Kimba? Decíamos que solo le faltaba su carnet de identidad, su ID de STRI, con su carita sonriente.

Descasa en paz Kimba, tu espíritu estará feliz en Galeta.

Stanley Heckadon Moreno



## ARRIVALS

**Kristina Cohen**  
Boston University  
Anuran hatching mechanisms and their role in adaptive plasticity  
**Gamboa and Tupper**

**Christina Riehl**  
Harvard University  
Breeding Biology of the Greater Ani  
**Barro Colorado Island**

**Elizabeth Kimbrough**  
Tulane University  
Conflicts among members of interacting symbioses: How do symbiotic fungi influence plant defense against leaf-cutting ants?  
**Gamboa**

**Yossi Yovel**  
Tel Aviv University  
Predator foraging behavior  
**Gamboa**

**Mariana Valencia**  
University of Michigan  
From silvo-pastoral to intensification: the extent and drivers of agricultural regimes in a rural landscape  
**Tupper**

**Sunshine Van Bael**  
Tulane University  
Fungal and bacterial endophytes in tropical forest plant communities  
**Gamboa**

**Wayne Sousa**  
University of California – Berkeley  
Patterns and mechanisms of canopy tree regeneration in a Caribbean mangrove forest  
**Galeta Station**

**Ummat Somjee**  
University of Florida  
Pre- and post-copulatory sexual strategies in the Heliconia bug, *Leptoscelis tricolor*  
**Gamboa**

**Anne Armstrong**  
University of California – Davis  
The evolution of major developmental transitions: linking egg size, gene expression, and developmental mode in *Leodia sexiesperforata*  
**Bocas Del Toro**

**Sarah Bouchard, Caitlyn Rahe and Troy Neptune**  
Otterbein University  
Nutritional Ecology of Neotropical Anurans  
**Gamboa**

**Barrett Klein**  
University of Wisconsin - La Crosse  
Lee Harten  
Tel Aviv University  
Unlocking the Mysteries of Sleep: Improved Learning as a Shared Functional Benefit  
**Gamboa and Barro Colorado Island**

**Joan Soto**  
Universidad de Valencia  
Sarah Pruski  
Texas A&M University  
NSF-ARTS research and training in the systematics of Hydrozoa (Cnidaria)  
**Bocas Del Toro**

**Jade Porter**  
Trophic Cascade Seasonality in a Tropical Forest Restoration (Short Term Fellowship)  
**Agua Salud**

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Questions/comments  
Preguntas/comentarios



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## DEPARTURES

**Matthew Larsen**  
To Washington DC  
For meetings

**Héctor Guzmán**  
To San José, Costa Rica  
To attend meeting about the Humpback Highway Project – Costa Rica

**Ben Turner**  
To San Juan, Puerto Rico and Frankfurt, Germany  
To attend a Department of Energy NGEETropics meeting in Puerto Rico and for a presentation of a keynote lecture at “Ecosystem Nutrition 2015” in Germany

**Juan Maté**  
To Bocas Del Toro Research Station  
For a site visit for inspection of farms and meeting with staff at Bocas Del Toro Panama

**Andrew Altieri**  
To Christchurch, New Zealand  
To participate in an international workshop on “Facilitative Interactions and Ecological Community Organization”

**Rachel Collin**  
To Bocas Del Toro  
For the Bocas NSF-ARTS project (Taxonomy training)

## PUBLICATIONS

Strandburg-Peshkin, A., Farine, D. R., Couzin, I. D. and Crofoot, M.C. 2015. Shared decision-making drives collective movement in wild baboons. *Science*, 348(6241): 1358-1361. doi:10.1126/science.aaa5099

Jakobsen, L.; Olsen, M. N.; Surlykke, A. 2015. Dynamics of the echolocation beam during prey pursuit in aerial hawking bats. *Proceedings of the National Academy of Sciences*. DOI: 10.1073/pnas.1419943112

Piperno, D. R. 2015. Phytolith Radiocarbon Dating in Archaeological and Paleoecological Research: A Case Study of Phytoliths from Modern Neotropical Plants and a Review of the Previous Dating Evidence. *Journal of Archaeological Science*. DOI: 10.1016/j.jas.2015.06.002

Merrill, R. M.; Dasmahapatra, K.; Davey, J.W.; Dell'Aglio, D.D.; Hanly, J.J.; Huber, B.; Jiggins, C.; Joron, M.; Kozak, K.M.; Llaurens, V.; Martin, S.H.; Montgomery, S.H.; Morris, J.; Nadeau, N.J.; Pinharanda, L.; Rosser, N.; Thompson, M.J.; Vanjari, S.; Wallbank, R.W.R.; Yu, Q. 2015. The diversification of Heliconius

butterflies: What have we learned in 150 years? *Journal of Evolutionary Biology*. DOI: 10.1111/jeb.12672

Cabral, J. S.; Petter, G.; Mendieta-Leiva, G.; Wagner, K.; Zotz, G.; Kreft, H. 2-15. Branchfall as a Demographic Filter for Epiphyte Communities: Lessons from Forest Floor-Based Sampling. *Plos One* 10(6): e0128019. DOI: 10.1371/journal.pone.0128019

Stubler, A. D.; Furman, B. T.; Peterson, B. J. 2015. Sponge erosion under acidification and warming scenarios: differential impacts on living and dead coral. *Global Change Biology*. DOI: 10.1111/gcb.13002

Paz, A.; Ibanez, R.; Lips, K.; Crawford, A. 2015. Testing the role of ecology and life history in structuring genetic variation across a landscape: A trait-based phylogeographic approach. *Molecular Ecology*. DOI: 10.1111/mec.13275

Valdespino, I. A. 2015. Two New Species and a New Record of Selaginella (Selaginellaceae) from Bolivia. *Novon: A Journal for Botanical Nomenclature* 24:96-105. DOI: 10.3417/20111022

# El Surgimiento del Istmo de Panamá



**Liliana Londoño**  
Paleobióloga - Instituto Smithsonian

1 de julio  
2015 | 6pm

Centro de Conferencias  
Earl S. Tupper, Ancón - Panamá

Información: 212-8000 | [pittyjj@si.edu](mailto:pittyjj@si.edu)

PRESENTADO POR PROGRAMAS PÚBLICOS de STRI  
ENTRADA LIBRE



**PRÓXIMA CHARLA**  
**Miércoles 5 de agosto**  
Herramientas de un Geólogo  
para medir la edad del Istmo  
Dr. Anthony Coates - Instituto Smithsonian

EN VIVO POR WEBCAST: <http://goo.gl/a3Nxr>

[www.stri.si.edu](http://www.stri.si.edu)



SmithsonianPanama



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SERIE DE CHARLAS

**CIENCIA**  
**Smithsonian**

EN EL **CANAL DE PANAMÁ**

*100 años revelando maravillas*

Background photo by Christian Ziegler



Instituto Smithsonian de Investigaciones Tropicales



Smithsonian Tropical Research Institute

FESTIVAL DE LA  
**RANA DORADA**  
August 14-30, 2015

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