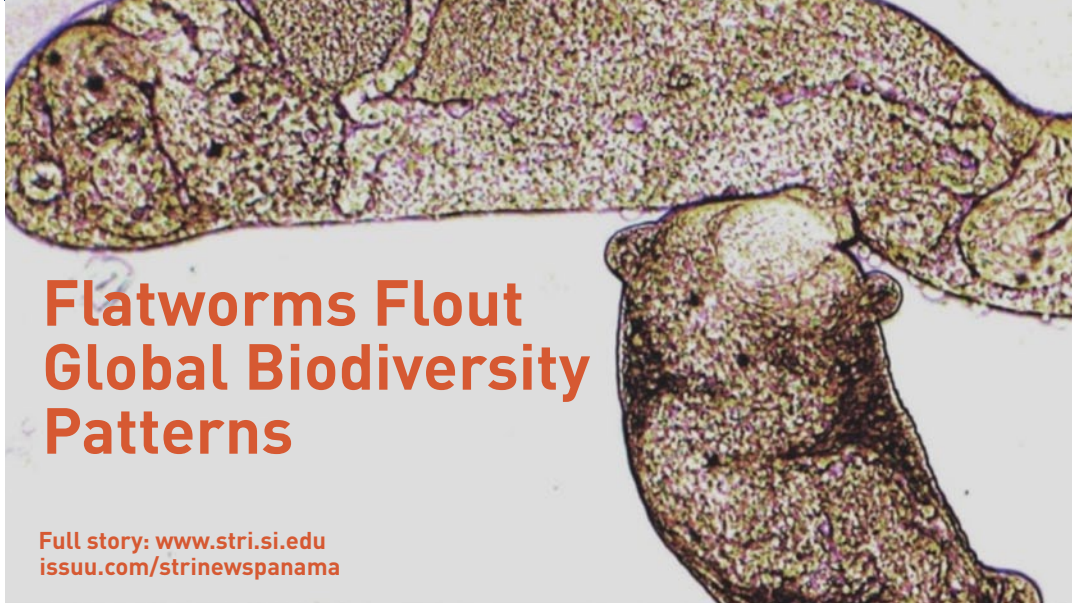




STRINEWS

JUL 17, 2015



Flatworms Flout Global Biodiversity Patterns

Full story: www.stri.si.edu/issuu.com/strinews/panama

A trematode worm bites and sucks out the insides of an enemy species, with the eyespots of the victim's offspring still visible inside the attacker's gut. At least 20 species of trematode compete to parasitize and castrate marine horn snails (*Cerithideopsis species*), and such predatory interactions are more frequent in the temperate zone than the tropics. Photo credit: Ryan Hechinger.

Un gusano trematodo muere y succiona las entrañas de una especie enemiga, con los ojos de las crías de la víctima aún visibles en el interior del intestino del atacante. Al menos 20 especies de trematodos compiten para parasitar y castrar a caracoles cuerno marino (*Cerithideopsis species*), y tales interacciones de depredación son más frecuentes en la zona templada que en los trópicos. Crédito de la imagen: Ryan Hechinger.

SEMINARS

TUPPER SEMINAR
Tues., Jul. 21, 4pm
Jonathan Hendricks

San Jose State University
Tupper Auditorium
The Neogene History of Tropical American Cone Snails

PALEOTALK
Wed. Jul. 22, 4pm
Bruce MacFadden

Florida Museum of Natural History
CTPA
Great American Biotic Interchange:
Sprint, relay, or marathon

WHAT'S HAPPENING AT STRI?

FIELD COURSES and SPECIAL EVENTS

Hydroids Workshop
July 7 - 21
Contact person: Rachel Collin

Nudibranchs Workshop
July 22 - August 6
Contact person: Rachel Collin

Golden Frog Festival
August 14 - 30
Contact person: Jimena Pitty

Panamanian Golden Frog, *Atelopus zeteki*. / Rana Dorada de Panamá, *Atelopus zeteki*.





The Smithsonian Tropical Research Institute and Stratego sign cooperation agreement

El Instituto Smithsonian de Investigaciones Tropicales (STRI) y Stratego firmaron una alianza de cooperación para la divulgación y promoción de actividades en el marco de la celebración del Festival de la Rana Dorada de Panamá 2015-2016, que organiza todos los años el STRI, con el fin aumentar el conocimiento sobre las distintas especies de anfibios de Panamá y las actividades que hace STRI para proteger a aquellas que están en peligro de extinción.

Durante la firma de la alianza, la Sra. Mercedes Eleta de Brenes, Presidenta de Stratego, reiteró su apoyo al STRI, ya que como empresa socialmente responsable “entendemos la importancia de ampliar los conocimientos sobre el pasado, presente y futuro de la biodiversidad tropical de Panamá y su importancia para la humanidad”.

La firma de este convenio, se llevó a cabo entre Matthew C. Larsen, Director de STRI y la Sra. Mercedes Eleta de Brenes, Presidenta de Stratego.

El Instituto Smithsonian de Investigaciones Tropicales y Stratego firman convenio de cooperación

The Smithsonian Tropical Research Institute (STRI) and Stratego signed a cooperative agreement for the dissemination and promotion of activities in celebration of the Panamanian Golden Frog Festival for 2015-2016, organized by STRI, in order to increase knowledge about the different species of amphibians and STRI’s activities in Panama to protect endangered species.

Ms. Mercedes Eleta Brenes, Stratego President, expressed her support to STRI as a socially responsible company “we understand the importance of expanding knowledge about the past, present and future of tropical biodiversity of Panama and its importance to humanity”.

Matthew C. Larsen, Director of STRI and Ms. Mercedes Eleta Brenes, President of Stratego signed the agreement.



ARRIVALS

Emma Sayer
Lancaster University
FORESTPRIME: Predicting carbon release from forest soils through priming effects.
Barro Colorado Island

Julika Wolf
Amsterdam University College
Linking the chemical ecology and the genetics of the fig-wasps mutualism
Barro Colorado Island

Samuel Schaff-Morrison
George Washington University
Social biology of the bee *Megalopta*
Barro Colorado Island

Matthew Leister
University of New Mexico
Spider sampling for taxonomic and phylogenetic studies
Panama

Grey Gustafson
University of New Mexico
Carnivorous water beetle sampling for phylogenetic studies of relationship and evolution of sexually selected traits
Panama

Gary Kwiecinski
University of Scranton
Predator foraging behavior
Gamboa

Anna Edgar and Edmund Tanner
University of Cambridge
Assessing the importance of litterfall for tree growth and nutrient dynamics by a large scale litter removal experiment
Barro Colorado Island

Sarah Halterman and Mark Ciochina
University of California - Los Angeles
Collaborative Research: Links between Long-Term Soil Carbon Storage and Canopy Properties in Tropical Forests
Gamboa, Tupper and Barro Colorado Island

Stephen Yanoviak and Noah Gripshover
University of Louisville
Ecology of Lightning in Tropical Forests
Barro Colorado Island

Edward Kempema and Guy Litt
University of Wyoming
Ecosystem Services in the Panama Canal Watershed
Agua Salud

Sam Bashevkin
University of California – Davis
Madeleine Rodríguez
Universidad de Panamá
Countervailing effects of ultraviolet radiation and predation pressures on crab larval coloration in the Pacific and Caribbean waters off Panama
Naos Marine Lab, Galeta Station and Bocas del Toro

Tadzio Tavares, Jana Riederer and Joseph Hanly
University of Cambridge
Lawrence Gilbert
University of Texas
The evolution of mimicry in *Heliconius*
Gamboa

Colleen Rikken
Florida State University
Gary Morgan
New Mexico Museum of Natural History
Karen Schmidt
Rolling Hills Middle School
Jonathan Hendricks
San Jose State University
Jessica Bender
University of California - Santa Cruz
Bruce MacFadden, Claudia Grant, Megan Higbee, John Turner, Amanda Waite, Erin Petersen, Sallie Corbin, Mayra Cordero, Victor Perez, Elizabeth Burt, Margaret Paxson, Sean Moran, Adam Fournier and Sandra Hankins
University of Florida
Sarah Baumgart
Field Course - Geology and Paleontology of the Panama Canal
Center for Tropical Paleocology

Vishal Bhave
Bombay Natural History Society
Lina Jimenez
Universidad de Antioquia
Kimberly Garcia
Universidad de Costa Rica
Xochitl Vital
Universidad Nacional Autónoma de México
Jessica Goodheart

University of Maryland
Hilton Galvão
University of São Paulo
William Gowacki
University of South Florida
Angel Valdes, Sabrina Medrano and Craig Hoover
California State Polytechnic University
Pomona
Jessika De Jesus, Jaymes Awbrey, Patrick Krug and Ryan Ellingson
California State University, Los Angeles
Taxonomy and Biology of Sea Slugs (Sacoglossans, Nudibranchs and relatives)
Bocas Del Toro

Brett Seymoure
Arizona State University
Mathieu Chouteau
C.N.R.S. – CEFE
Monica Muñoz-Torres
Lawrence Berkeley National Laboratory
Suzanne Saenko
National Museum of Natural History
Paul Frandsen
Smithsonian Institution
Adriana Briscoe
University of California – Irvine
Tobin Hammer
University of Colorado
Derya Akkaynak
University of Haifa
James Walters and Christopher Hamm
University of Kansas
Melanie McClure and Violaine Llaurens
Museum National D'Histoire Naturelle
Sujai Kumar, Reuben Nowell and Richard Challis
Edinburgh University
Camilo Salazar, Geimy Pardo and Maria Gonzalez
Universidad del Rosario
Erica Westerman, Laura Southcott and Marcus Kronforst
University of Chicago
Steven Van Belleghem, Simon Martin, Markus Möst, Sarah Barker, John Davey, Richard Wallbank and Pasi Rastas
University of Cambridge
Field Course - 10th International *Heliconius* Meeting
Gamboa

DEPARTURES

Jacob Slusser
To Cali, Colombia
To facilitate an International Agro-ecology with CIPAV

Héctor Guzmán
To San José, Costa Rica
To give one plenary at the university, a conference at the school of biology and to be part of a panel with professors and students at San Pedro

Félix Rodríguez
To Bocas Del Toro
To destroy waste chemicals at the station

Nelly Florez
To Edmonton Alberta, Canada
To attend Botany 2015 with JSTOR representatives, to talk to potential partners about Global Plants and to the existing partners about JSTOR Plants

Raúl De León
Norfolk, Virginia
To attend the Bauer Compressor Technician course

strinews@si.edu

Questions/comments
Preguntas/comentarios



@stri_panama

#smithsonian

Angeli, Nicole F., DiRenzo, Graziella V., Cunha, Alexander and Lips, Karen R. 2015. Effects of Density on Spatial Aggregation and Habitat Associations of the Glass Frog *Espadarana (Centrolene) prosoblepon*. *Journal of Herpetology*, doi:10.1670/13-110

Balaguera-Reina, S., Venegas-Anaya, M. and Iii, L. D. D.. 2015. The Biology and Conservation Status of the American Crocodile in Colombia. *Journal of Herpetology*, 49(2): 200-206. doi:10.1670/13-065

Corder, K. R. and Schaeffer, P. J. 2015. Summit metabolic rate exhibits phenotypic flexibility with migration, but not latitude in a neotropical migrant, *Parkesia noveboracensis*. *Journal of Ornithology*, 156: 547-550. doi:10.1007/s10336-015-1157-x

Dangremond, E. M. 2015. Propagule predation by crabs limits establishment of an endemic mangrove. *Hydrobiologia*, 755(1): 257-266. doi:10.1007/s10750-015-2238-9

Dugas, M. B. and Richards-Zawacki, C. 2015. A captive breeding experiment reveals no evidence of reproductive isolation among lineages of a polytypic poison frog. *Biological Journal of the Linnean Society*, doi:10.1111/bij.12571

Freeman, C. J., Baker, D. M., Easson, C. G. and Thacker, R. W. 2015. Shifts in sponge-microbe mutualisms across an experimental irradiance gradient. *Marine Ecology - Progress Series*, 526: 41-53. doi:10.3354/meps11249

Fuxjager, M. J. and Schlinger, B. A. 2015. Perspectives on the evolution of animal dancing: a case study of manakins. *Current Opinion in Behavioral Sciences*, 6: 7-12. doi:10.1016/j.cobeha.2015.06.007

Letcher, S. G., Lasky, J. R., Chazdon, R. L., Norden, N., Wright, S. J., Meave, J. A., Pérez-García, E.A., Muñoz, R., Romero-Pérez, E., Andrade, A., Andrade, J. L., Balvanera, P., Becknell, J. M., Bentos, T. V., Bhaskar, R., Bongers, F., Boukili, V., Brancalion, P. H. S., César, R. G., Clark, D.A., Clark, D. B., Craven, D., DeFrancesco, A., Dupuy, J. M., Finegan, B., et al. 2015. Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. *Journal of Ecology*, doi:10.1111/1365-2745.12435

Loh, T., McMurray, S. E., Henkel, T. P., Vicente, J. and Pawlik, J. R. 2015. Indirect effects of overfishing on Caribbean reefs: sponges overgrow reef-building corals. *PeerJ*, 3: e901 doi:10.7717/peerj.901

Touchon, J. C. and Vonesh, J. R. 2015. Variation in Abundance and Efficacy of Tadpole Predators in a Neotropical Pond Community. *Journal of Herpetology*, doi:10.1670/14-111

Treibitz, T., Neal, B. P., Kline, D. I., Beijbom, O., Roberts, P. L. D., Mitchell, B. G. and Kriegman, D. 2015. Wide Field-of-View Fluorescence Imaging of Coral Reefs. *Scientific Reports*, 5: 7694 doi:10.1038/srep07694

Vandepas, L. E., Oliveira, L. M., Lee, S. S. C., Hirose, E., Rocha, R. M. and Swalla, B. J. 2015. Biogeography of *Phallusia nigra*: Is It Really Black and White? *Biological Bulletin*, 228: 52-64.

Glass frog, *Hyalinobatrachium* / Rana de crystal *Hyalinobatrachium*





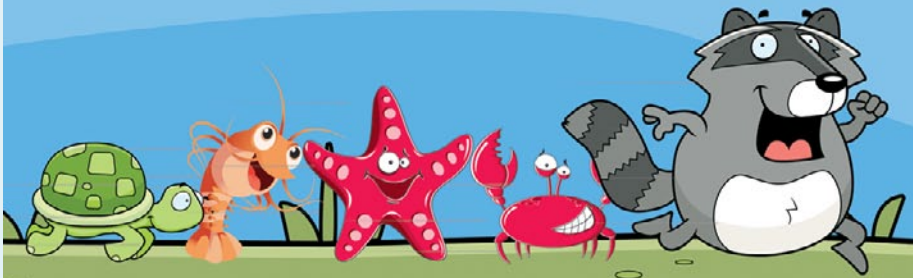
Instituto Smithsonian de Investigaciones Tropicales

CARRERA CAMINATA

YO CORRO POR GALETA 5K

19 DE JULIO

INSCRÍBETE



PARA MAYOR INFORMACIÓN LLAMAR A LOS TELÉFONOS

212-8191 / 8192/8212

EMAIL: GALETA@SI.EDU

Transporte gratis para la Carrera/ Caminata: “Yo corro por Galeta 5K”

Free transportation to Galeta 5K Run/Walk

El Comité de Bienestar Institucional de STRI [STRI-CBI] proporcionará transporte gratuito a los participantes al evento “Yo corro por Galeta 5K” /

The Smithsonian Tropical Research Institute’s Institutional Wellbeing Committee will give free transportation to competitors of the Galeta 5K Run/Walk.

Salida / Leaving:

Centro Tupper, a las/at 5:30am al/to Laboratorio Marino de Punta Galeta,.

Regreso / Returning:

del/from Laboratorio Marino de Punta Galeta al/to Centro Tupper, aproximadamente/around a las 11am.

To reserve your seat, please contact STRI-CBI at stribi@si.edu OR Illia Grenald at grenaldi@si.edu

Gracias / Thanks



Smithsonian Tropical Research Institute

FESTIVAL DE LA
RANA DORADA
August 14-30, 2015

SEARCHING FOR VOLUNTEERS

For support in:

**EVENTS • EDUCATIONAL ACTIVITIES
GAMES • ART • COORDINATION • TALKS**



**For more information
pittyjj@si.edu**



Smithsonian Tropical Research Institute



PANAMA

The Neogene History of Tropical American Cone Snails

Jonathan Hendricks, San Jose State University

TUESDAY, JULY

21

2015

4PM

TUPPER
AUDITORIUM



TUPPER SEMINAR

For further information call: 212-8076 or email: arroyoa@si.edu

Smithsonian Tropical Research Institute



PANAMA

Fossil lianas and the Miocene rainforests of Panama

Nathan Jud, University of Florida

TUESDAY, JULY

28

2015

4PM

TUPPER
AUDITORIUM



TUPPER SEMINAR

For further information call: 212-8076 or email: arroyoa@si.edu