



STRI NEWS

MAR 20, 2015



The Administration Building of the Nanyang Technological University in Singapore. (View from the North Spine)

El edificio de la administración de la Universidad Tecnológica de Nanyang en Singapur. (Vista desde la Columna Norte)

Now hiring ecologists in Singapore

Full story: www.stri.si.edu/issuu.com/strinewspanama

SEMINARS

BEHAVIOR DISCUSSION GROUP MEETING

Tues., Mar. 24, 2pm
Bill Eberhard
STRI

Tupper Large Meeting Room

Flexibility in use of stimuli to guide orb web construction behavior suggests cognition in spiders (?) and its possible role in the evolution of behavior

TUPPER SEMINAR

Tue., Mar. 24, 4pm
Jeremy Jackson
Smithsonian Institution, Scripps Institution of Oceanography, and International Union for the Conservation of Nature

Tupper Auditorium

The science and policy of sustaining coral reef resilience

BAMBI SEMINAR

Thur., Mar. 26, 7:15pm
Úrsula Valdez
University of Washington Bothell - Interdisciplinary Arts & Sciences

Barro Colorado Island

The secretive Forest-falcons of Amazonian Peru: windows into their ecology

WHAT'S HAPPENING AT STRI?

FIELD COURSES and SYMPOSIA

Fellowship Meetings and Fellowship Symposia

Contact person: Adriana Bilgray
Mar 25 - Mar 27

Princeton University - Semester in the field

Contact person: Lolly O'Brien
Feb 3 - Apr 30

MarineGEO Workshop

Contact person: Rachel Collin
Mar 1 - Mar 13

Yale University - Introduction to Tropical Field Ecology

Contact person: Liza Comita
Mar 7 - Mar 22

Texas A&M - GEOS Course

Contact person: Aaron O'Dea
Mar 13 - Mar 21

Harvard University

Contact person: Gonzalo Giribert
Mar 14 - Mar 22



The ruler of Sharjah, His Highness Sheik Dr. bin Mohamed Al-Qasimi, visited the Smithsonian Tropical Research Institute as part of the American University of Sharjah's Board of Directors meeting held in Panama in March. The group visited the Pacific side of the Panama Canal expansion (1), was hosted for dinners at STRI (2) and the presidential palace (3), rode the STRI canopy crane at Metropolitan Nature Park (4) and took in the exhibits of the BioMuseo (5).

El gobernante del Emirato de Sharjah, Su Alteza el Jeque el Dr. bin Mohamed Al-Qasimi, visitó el Instituto Smithsonian de Investigaciones Tropicales como parte del Consejo de Administración de la Universidad Americana de Sharjah, celebrado en Panamá en marzo. El grupo visitó el lado del Pacífico del Proyecto de ampliación del Canal de Panamá (1), fue invitado a una cena en la sede del Smithsonian (2) y el palacio presidencial (3), visitó la grúa del dosel del Smithsonian en el Parque Natural Metropolitano (4) además de visitar las exhibiciones del Biomuseo (5).



Smithsonian Board of Regents Chair John McCarter visited STRI with his wife Judy McCarter. Hosted by STRI director Matt Larsen and staff scientist Bill Wcislo, the McCarters walked a trail on Barro Colorado Island (1,2,3) and toured the Gamboa outdoor laboratories with staff scientist Owen McMillan (4) and were given drone demonstration by fellow Jonathan Dandois (5).

El presidente del "Board of Regents" del Smithsonian John McCarter visitó el Smithsonian en Panamá junto a su esposa Judy McCarter. La visita fue organizada por el director del Instituto Matt Larsen y el científico permanente Bill Wcislo; los McCarters caminaron un sendero en la Isla Barro Colorado (1,2,3) y recorrieron los laboratorios al aire libre en Gamboa con el científico permanente Owen McMillan (4) y su compatriota Jonathan Dandois les mostró cómo él utiliza un dron para sus investigaciones(5).



MODERATORS: *Peter Marting, KC Cushman, Victor Frankel and Erin Dillon*

9AM | WELCOME WORDS BY OWEN MCMILLAN

9:15 | **PETER MARTING** Predoc | Arizona State University | adv. WCISLO
A colony-level behavioral syndrome links to plant health in the Azteca-Cecropia mutualism

9:30 | **VICTOR FRANKEL** Predoc | McGill University | adv. TORCHIN
Building communities: integrating biotic and abiotic factors

9:45 | **DERYA AKKAYNAK** Postdoc | Massachusetts Institute of Technology | adv. MCMILLAN
Scientific Imaging With Consumer Cameras

10AM | **CAROLYN DELEVICH** Intern | Ohio State University | adv. DALLING
Microbial-mediated plant-soil feedback regulates congeneric recruitment in the genus *Cecropia*

10:15 | **WOUTER HALFWERK** Postdoc | Leiden University | adv. PAGE
Multimodal communication in a noisy world

10:30 | BREAK

10:45 | **RAQUEL ALFARO-SÁNCHEZ** STF | Universidad de Castilla La Mancha | adv. WRIGHT
Coupling radial growth and climatic fluctuations in *Trichilia tuberculata*, *Jacaranda copaia* and *Tetragastris panamensis* on Barro Colorado Natural Monument, Panamá

11AM | **DAVID ROSS** Predoc | McGill University | adv. GUZMÁN
Comprehensive Review of Toxic Metal Contamination in Marine Turtle Tissues and Implications for Human Health

11:15 | **MARÍA FERNANDA MARTÍNEZ** Predoc | Universidad Nacional de Colombia | adv. COOKE
Hunting deer in Panama in the preceramic period

11:30 | **KC CUSHMAN** Intern | Brown University | adv. MULLER-LANDAU
Diameter measurement height introduces bias in tropical forest biomass estimates

11:45 | **CLAUDIO MONTEZA** Intern | University of Panama | adv. JANSEN
Evaluation of terrestrial vertebrates in reforested plantations in the middle of the Panama Canal Watershed

12PM | LUNCH (NOT provided by STRI)

1:30 | **DYLAN GOMES** Intern | University of Montana | adv. PAGE
Multimodal Foraging of a Gleaning Bat

1:45 | **MICHAEL HYNES** Intern | University of Calgary | adv. O'DEA
Millennial-scale ecological change in Caribbean sponge communities

2PM | **HENRY POLLOCK** Predoc | University of Illinois at Urbana-Champaign | adv. BRAUN
Testing Janzen's Hypothesis: Variation in Avian Thermal Tolerances Across Latitude

2:15 | **IOANA CHIVER** Postdoc | University of California - Los Angeles | adv. SCHLINGER
Sex differences in the development of courtship display in a tropical bird

2:30 | **TORREY RODGERS** STF | Utah State University | adv. MCMILLAN • JANSEN
Integration of noninvasive genetics and camera trapping to study ocelots *Leopardus pardalis* on Barro Colorado Island

2:45 | BREAK

3PM | **RICHARD MERRILL** Postdoc | University of Cambridge | adv. MCMILLAN
Does sexual conflict contribute to the evolution of diversity in warning patterns?

3:15 | **ANDREW NOTTINGHAM** Postdoc | University of Edinburgh | adv. TURNER
Climate warming and soil carbon in tropical forests: insights from the Andes and a new in situ experiment

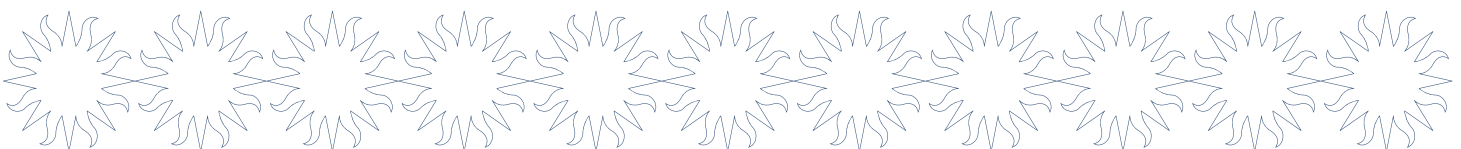
3:30 | **JULIA SCHUCKEL** Postdoc | Lund University | adv. WCISLO
Light and dark adaptation in photoreceptors of the nocturnal bee *Megalopta genalis*

3:45 | **ERIN DILLON** Predoc | Stanford University | adv. O'DEA
Reconstructing Caribbean shark baselines using fossil dermal denticle assemblages

4PM | JACKSON | KNOWLTON AWARD - ANNOUNCEMENT OF WINNER

4:20 | **DOLORES PIPERNO**
The Remarkable Life and Career of Olga Linares

5PM | BBQ AND POSTER SESSION



ARRIVALS

Brian Gratwicke

Smithsonian National Zoological Park
Panama Amphibian Rescue and
Conservation Project
Gamboa

Simone Sommer

University of Ulm
Ecology and species barriers in emerging
viral diseases
Barro Colorado Island

Jeremy Jackson

Smithsonian Institution, Scripps
Institution of Oceanography, and
International Union for the Conservation
of Nature
To give a Tupper seminar and participate
at the STRI Fellowship meetings and
Symposia
Tupper

**Christina Zakas, Sarah Rankin, Max
Bernstein and Annalise Paaby**
New York University
Caenorhabditis metapopulation
patterns on Barro Colorado Island
Barro Colorado Island

Jesus Pineda and Victoria Starczak

Woods Hole Oceanographic Institution
Walter Cho
Point Loma Nazarene University
Taxonomy of Octocorals
Panama

Lisa Schile

Smithsonian Environmental
Research Center

Scott Jones

Smithsonian Marine Station
TMON/MarineGEO coastal ecosystem
research in Panama
Bocas Del Toro

Trey Crouch

Ecosystem Services in
the Panama Canal Watershed
Panama

DEPARTURES

Owen McMillan

Isla Canales Panama:
To visit the Liquid Jungle
Lab (LJL) on Isla Canales
to meet with researchers
from the Woods Hole
Oceanographic Institute and
Harvard University

David Roubik

To St. Louis, Missouri and
Washington, D.C.
To present a lecture at St.
Louis University/Missouri
Botanical Garden and to
work on bee collections and
photography at USNM

Alicia Ibáñez

To Parque Nacional Coiba
To supervise a trail
construction at Coiba
National Park, as part of the
Nagoya Protocol Project

Rachel Collin

To Bocas Del Toro
To oversee administration at
the research station

Carlos Jaramillo

To San José, Costa Rica
For field work in eastern
Costa Rica

Carmen Schloeder

To Bocas Del Toro
To collaborate with Tim
Davidson on mangrove
project and assist in local
teacher training

Andrew Altieri

To Bocas Del Toro
For a field expedition

Matthew Larsen

To Bocas Del Toro
Travel with the Science
Executive Committee.

Jacob Slusser

To the District of Pedasi,
Province of Los Santos
To visit ELTT's Azuero
research/training sites and
provide Leadership Program
follow-up

PUBLICATIONS

Carrillo-Briceno, J. D.; De Gracia, C.; Pimiento, C.; Aguilera, O. A.; Kindlimann, R.; Santamaria, P.; Jaramillo, C. A. 2015. A New Late Miocene Chondrichthyan Assemblage from the Chagres Formation, Panama. *Journal of South American Earth Sciences*. DOI: 10.1016/j.jsames.2015.02.001

Hiller, A.; Williams, J. D.; Boyko, C. B. 2015. Description of two new species of Indo-Pacific Thylacoplethus and a new record of *Thompsonia japonica* (Rhizocephala: Akentrogonida: Thompsoniidae) from hermit, porcelain, and mud crabs (Decapoda) based on morphological and molecular data. *Journal of Crustacean Biology* 35(2): 202-215. DOI: 10.1163/1937240X-00002330

Holmberg, K. 2015. The cultural nature of tephra: 'Problematic' ecofacts and artifacts and the Barú volcano, Panamá. *Quaternary International*. DOI: 10.1016/j.quaint.2015.01.016

Lohan, K. M. P.; Hill-Spanik, K. M.; Torchin, M. E.; Strong, E. E.; Fleischer, R. C.; Ruiz, G. M. 2015. Molecular phylogenetics reveals first record and invasion of *Saccostrea* species in the Caribbean. *Marine Biology* DOI: 10.1007/s00227-015-2637-5.

Uriarte, M.; Turner, B. L.; Thompson, Jill; Zimmerman, J. K. 2015. Linking spatial patterns of leaf litterfall and soil nutrients in a tropical forest: a neighborhood approach. *Ecological Applications*. DOI: 10.1890/15-0112.1

Lasso, E.; Barrientos, L. S. 2014. Epizoochory in dry forest Green iguana: an overlooked seed dispersal mechanism? Epizoochoria por medio de iguanas en el bosque seco: ¿un mecanismo de dispersión de semillas pasado por alto? *Colombia Forestal* 18(1): 151-159. DOI: 10.14483/udistrital.jour.colomb.for.2015.1.a09

Pelletier, J.; Busch, J.; Potvin, C. J. 2015. Addressing uncertainty upstream or downstream of accounting for emissions reductions from deforestation and forest degradation. *Climate Change*. DOI: 10.1007/s10584-015-1352-z

Bohman, Stephanie. 2015. Species Diversity of Canopy Versus Understory Trees in a Neotropical Forest: Implications for Forest Structure, Function and Monitoring. *Ecosystems*. doi:10.1007/s10021-015-9854-0

de Silva, Priyanka, Nutter, Brian and Bernal, Ximena E. 2015. Use of acoustic signals in mating in an eavesdropping frog-biting midge. *Animal Behaviour*, 103: 45-51. doi:10.1016/j.anbehav.2015.02.002

Kerr, Kecia A. 2015. Decreased Temperature Results in Daytime Larval Release by the Fiddler Crab *Uca Deichmanni* Rathbun, 1935. *Journal of Crustacean Biology*, 35(2): 185-190. doi:10.1163/1937240X-00002334