



CENTER FOR BIODIVERSITY AND CONSERVATION

Student Conference on Conservation Science - New York

October 24-26, 2018

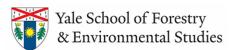
Student Conference on Conservation Science - New York

October 24-26, 2018 American Museum of Natural History

The 2018 Student Conference on Conservation Science – New York is organized by the **Center for Biodiversity and Conservation** at the American Museum of Natural History.

Major funding for the 2018 Student Conference on Conservation Science has been provided by **Marshall M. Weinberg**.

Conference partners:







Conference contributors:

Lincoln Institute of Land Policy Pace University

Conference Prize Contributors:

Yale University Press
Island Press
Applied Biomathematics
Oryx—The International Journal of Conservation; Fauna & Flora International,
Cambridge University Press

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Full presentation abstracts are available on the SCCS-NY website: www.amnh.org/sccsny

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Acknowledgements

The Student Conference on Conservation Science (SCCS) is the only international conference designed for graduate students, post-doctoral fellows, and early-career professionals pursuing or considering the field of conservation science. Interactions with established conservationists encourage collaborations and advance research.

The Student Conference on Conservation Science-New York 2018 (SCCS-NY) is a sister conference to the highly successful SCCS-Cambridge begun in 2000 by the University of Cambridge. Other SCCS conferences now include SCCS-Bangalore, SCCS-Australia, SCCS-Beijing, and SCCS-Hungary.

SCCS-NY 2018 is organized by the American Museum of Natural History's Center for Biodiversity and Conservation.

SCCS-NY Content and Logistics Coordination:

Felicity Arengo Hellin Brink Kristin Douglas Margaret Law Ana Luz Porzecanski Eleanor Sterling **Technology Coordinators:**

Tony Alexander Pete Ersts

Program Design: Nadav Gazit

General Information

Photography and Film Recording Policies:

SCCS-NY is designed to foster dialogue and collaboration between the students, postdoctoral fellows, early-career professionals, and established conservationists in attendance. We care deeply about preserving the integrity of the work, research, and personal interactions of our speakers, mentors, presenters, and attendees.

In order to find a balance between the expectations of presenters and attendees, and to make the meeting a safe and comfortable space for everyone, we have some basic guidelines.

Please keep in mind CBC's meeting Code of Conduct and apply it to your communication online (and in person!). Harassment, intimidation, or discrimination in any form will not be tolerated. Our speakers and presenters have invested considerable time and effort in the development of their material and copyright laws apply.

We encourage open discussion on social media and ask attendees to share the science and ideas presented at SCCS with their followers. However, we ask that you be especially cautious about discussing the work that is being presented. Due to the nature of this conference you may be hearing about new or unpublished work that may not be suitable for sharing.

If you choose to write about the conference following the scheduled sessions, you must gain approval from speakers/presenters prior to quoting, publishing, or otherwise referencing their research on the Internet or through other forms of media.

Wireless Internet Access:

Please follow these steps to access the AMNH-GUEST network:

- 1. Open the menu of wireless networks on your device.
- 2. Select AMNH-GUEST from the networks presented and connect.
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- 4. If the Terms and Conditions page is not automatically presented by your system, open your web browser and attempt to connect to a web page. Your browser will be redirected to the Terms and Conditions page. Click on the "accept" button at the top right of the screen to complete your connection.

Conference attendees receive a 10% discount in all museum shops with conference badge.

Code of Conduct

The Center for Biodiversity and Conservation (CBC) at the American Museum of Natural History (AMNH) works to promote a welcoming environment at its meetings that is safe, collaborative, supportive, and productive for all attendees, including volunteers, exhibitors, and service providers, and that values the diversity of views, expertise, opinions, backgrounds, and experiences reflected among the conference attendees. To that end, we expect all participants—attendees, speakers, mentors, and volunteers—to follow the **Code of Conduct** during the conference. This includes conference-related social events, and in related online communities and social media.

Expected Behavior

- Treat everyone with respect and consideration.
- Communicate openly and thoughtfully with others and be considerate of the multitude of views and opinions that are different than your own.
- Be respectful in your critique of ideas.
- Be mindful of your surroundings and of your fellow participants. Alert CBC staff if you notice a dangerous situation or someone in distress.
- Respect the rules and policies of all venues associated with the meeting.
- Uphold and support the CBC's commitment and actions to improve the event's environmental and social impacts.
- Behave in accordance with professional standards and applicable laws.

Unacceptable Behavior

- CBC and AMNH do not tolerate discrimination or harassment on the basis of race, creed, color, religion, age, disability, marital status, partnership status, gender, sex, sexual orientation, gender identity, gender expression, genetic information, pregnancy, alienage or citizenship status, current or former participation in the uniformed services, status as a veteran, or national or ethnic origin, or on account of any other basis prohibited by applicable City, State, or Federal law.
- Sexual language and imagery, or any other potentially harassing material or behavior including but not limited to verbal comments, intimidation, inappropriate physical contact or unwelcome sexual attention, are not permitted at the conference and may not be incorporated into the demos or presentations.
- Participants asked to stop any harassing behavior are expected to comply immediately and to not repeat their behavior, or may be required to leave the conference, in the CBC's sole discretion.
- Examples of unacceptable behavior include, but are not limited to inappropriate comments related to any of the categories listed above; harassing photography or recording; threatening, intimidating or stalking anyone at the conference as an attendee, staff, or presenter or otherwise disruption of talks at the conference or other associated events organized by the CBC.

Consequences

- Anyone requested to stop unacceptable behavior is expected to comply immediately.
- CBC staff (or their designees) or Museum Security may take any action deemed necessary and appropriate, including immediate removal from the conference without warning or refund.
- The CBC reserves the right to prohibit attendance at any future meeting or conference organized by the CBC.

Reporting Unacceptable Behavior

If you are the subject of unacceptable behavior, have witnessed any such behavior, or have any other concerns relating to unacceptable behavior, please immediately notify a CBC staff member on-site (in-person, by phone, or by email). CBC staff can be identified by the blue ribbon on their conference ID badge.

- Visit our information desk in the conference registration area.
- Call 212-769-5742.
- Email biodiversity@amnh.org.
- Individuals may also report prohibited conduct confidentially or anonymously through the Museum's Compliance Hotline, by calling 1-800-620-5571. This 800-number is managed by an outside, independent service provider.

Conference staff can provide support, including but not limited to:

- Contacting AMNH security or local law enforcement.
- Contacting AMNH Title IX officers in Human Resources:
 - Tracey Bessellieu: 212-769-5462, tbessellieu@amnh.org
 - Kala Harinarayanan: 212-769-5226, kharinarayanan@amnh.org
 - Daniel Scheiner: 212-769-5109, dscheiner@amnh.org
- Otherwise assisting those experiencing unacceptable behavior to ensure that they feel safe for the duration of the conference.

8:00am	Registration and Volunteer Check-In Breakfast	77 th Street Lobby Grand Gallery	
9:00am	Welcome and Introduction	Kaufmann Theatei	
	Ana Luz Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History		
9:15am	Plenary Address	Kaufmann / Linder Theaters	
	Arturo Massol-Deyá , Executive Director of Casa Pueblo; Professor, University of Puerto Rico		
10:00am	Talk Session: Human Dimensions	Kaufmann / Linder Theaters	
	Session Chair: Ana Luz Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History		
	Hilary Byerly University of Vermont	Are forest managers influenced by peers or pewees? Experimental evidence on social information and songbird habitat conservation	
	Urvi Gupta Wildlife Institute of India	Life in cities: human-animal interface, perceptions, and co-existence	
	Shruti Mokashi State University of New York College of Environmental Science and Forestry	Local perceptions of village sacred forests in Western India	
10:55am	Break	Hall of Human Origins	
11:15am	Talk Session: Species-Based Conserva	ation Kaufmann / Linder Theaters	
	Session Chair: Rae Wynn-Grant , Fellow, National Geographic; Visiting Scientist, Center for Biodiversity and Conservation, American Museum of Natural History		
	Danielle Brown George Mason University	Sightings and vessel risk to humpback whales in the northwestern New York Bight	
	Zoliswa Nhleko University of Florida	Effects of poaching, density & environmental conditions on white rhino survival rates	
	Maia Crews-Erjavec Augsburg University	Phenology of Canada Darner (Aeshna canadensis) dragonflies in Minnesota	
	Pamela Narváez University of Calgary	Effects of fires on lemur functional diversity andabundance in southeast Madagascar	
12:25pm	Group Photo	Front Steps, Central Park West	
1:00pm	Lunch: Mentor-Hosted Tables	School Lunchrooms, Lower Level	

2:30pm

Speed Talk Session: Species and Habitats

Kaufmann / Linder Theaters

Session Chair: **Patrick Shea**, *Ph.D. candidate*, *The Graduate Center, City University of New York*

Christian Rivera University of Florida	Assessing ecological and social success in a community-based sustainable harvest program
A. Z. Andis Arietta Yale University	Safe passage: a performance assessment of large mammal highway crossing structures
Aishwarya Bhattacharjee Queens College, City University of New York	Population dynamics of Old World vultures in the Annapurna Conservation Area, Nepal
Abigail Johnson Hunter College	The effects of hive protections on honey badger depredation of beehive fences
Mary Dushay Sacred Heart University	Horseshoe crab population decline, climate change and living shorelines
Opeyemi Adedoja Stellenbosch University	Insect-flower interaction networks among endemic pollinator over elevation gradient

3:15pm

Speed Talk Session: Species Conservation

Kaufmann / Linder Theaters

Session Chair: **Felicity Arengo**, Associate Director, Center for Biodiversity and Conservation, American Museum of Natural History

Anne Clay George Mason University	Compassion on the ark: balancing animal welfare with conservation in zoos
Danielle Crain <i>Baylor University</i>	Waxing nostalgic: 100+ years of pregnancies using whale earwax
Pavan Khosla Hunter College, City University of New York	Evolutionary relationships of subspecies within the Boa constrictor species complex
Rebecca Brunner University of California, Berkeley	Functional traits along a disturbance gradient: implications for Anuran conservation
Mai Fahmy Fordham University	iDNA from blood feeding leeches for assessing vertebrate diversity in Madagascar
Amelia Bradley Manhattan College	Investigating temporal trends in behavior and acoustics of the Antillean manatee

3:50pm

Speed-Talk Discussion and Break

Hall of Human Origins

Agenda: Wednesday, October 24th

4:25pm Talk Session: Genes and Diet

Kaufmann / Linder Theaters

Session Chair: **Anthony Caragiulo**, Assistant Director of Genomic Operations, Institute for Comparative Genomics, American Museum of Natural History

,	
Justin Bernstein Rutgers University-Newark	DNA barcoding of the endemic herpetofauna of the New Caledonia biodiversity hotspot
Vanessa Van Deusen <i>Barnard College of Columbia University</i>	A next generation approach to the diet analysis of green crab in the Gulf of Maine
Evan Eskew EcoHealth Alliance	Gene expression differs in susceptible and resistant frogs exposed to the pathogen Bd
Cassandra Powell University of California, Santa Cruz	Eating through acidification: how a diverse diet may be a buffer for Pinto abalone

5:40pm-7:30pm

Poster Session,

Resource and Career Fair

+ Pizza Reception

Milstein Hall of Ocean Life, 1st floor

Poster presenters are asked to be at their posters for in-depth discussion with mentors and attendees between 6:00-7:00pm.

Network and gather information about future careers and resources in conservation science!

Resource and Career Fair Exhibitors:

- Applied Biomathematics
- Consortium for Inter-Disciplinary Environmental Research
- Conservation Leadership Programme
- City University of New York (CUNY)
 Ecology, Evolutionary Biology, and
 Behavior
- EcoHealth Alliance
- Environmental Defense Fund
- Environmental Leadership Program
- International Union for Conservation of Nature (IUCN)
- Island Press
- Lincoln Institute of Land Policy
- NASA DEVELOP
- National Geographic Society
- Network of Conservation Educators and Practitioners (NCEP)

- NYC Parks Wildlife Unit
- Ocean Conservancy
- Point Blue Conservation Science
- RAY Fellowship
- Richard Gilder Graduate School (RGGS)
- Smithsonian Institution
- Society for Conservation Biology (SCB)
- Society for Marine Mammalogy (SMM)
 Student Chapter
- SPECIES
- Student Conservation Association (SCA)
- Turtle Conservancy
- University of Georgia Center for Integrative Conservation Research
- Wildlife Conservation Society
- Wiley
- Women in Natural Sciences (WINS)
- Yale University Press

School Lunchrooms, Lower Level

8:00am	Breakfast and Registration	77 th Street Lobby Grand Gallery
9:00am	Introduction Kaufmann Theater Eleanor Sterling, Jaffe Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History	
9:15am	Plenary Address Erika Svendsen, Research Social Scientist, U.S.	Kaufmann / Linder Theaters . Forest Service
9:50am	Talk Session: Economics	Kaufmann / Linder Theaters
	Session Chair: Eleanor Sterling , <i>Jaffe Chief Conservation Scientist, Center for Biodiversity</i> and Conservation, American Museum of Natural History	
	Anubhav Vanamamalai Centre for Wildlife Studies, Bangalore	Compensating for conflict: insights from India and a novel conservation intervention
	Monique Sosnowski University of Bristol	lvory market price dynamics: determining trends and relevant factors since 1989
	Babu Bhattarai Federation University	The costs of big cat conservation for farming communities adjacent to tiger reserves
10:40am	Break	Hall of Human Origins
11:00am	Talk Session: Managing Landscapes	Kaufmann / Linder Theaters
	Session Chair: Chandni Navalkha , <i>Program Manager, Land Conservation Programs, Lincoln Institute of Land Policy</i>	
	Lauren Schmitt University of Michigan	Shedding light on the shade: leaf litter decomposition in coffee agro-ecosystems
	Clarice Borges Matos Universidade de São Paulo	Caveats and limitations in testing the Habitat Amount Hypothesis
	Chloe Debyser McGill University	Prioritizing areas for forest connectivity and biodiversity conservation in Panama

12:00pm Lunch: Mentor-Hosted Tables

1:30pm	Speed Talk Session: Habitat Manage	ment Kaufmann / Linder Theaters	
	Session Chair: Alex Moore , Postdoctoral Conservation Research and Teaching Fellow, Center for Biodiversity and Conservation, American Museum of Natural History		
	Rafael Ramirez Comisión Nacional para el Conocimiento y Uso de la Biodiversidad	Testing a new species risk assessment method using remaining habitat as proxy	
	Catalina Zuluaga Rodríguez University of São Paulo	Biomass for environmental planning: comparing remote sensed and field estimates	
	Michael Allen Rutgers University	Drivers of grassland bird population declines in the eastern United States	
	Kaia Tombak Princeton University	Managing PAs to support fitness-enhancing social behavior in an endangered zebra	
	Anant Deshwal University of Arkansas	Scrubland habitat degradation and effects on bird communities in Eastern Ghats, India	
	Denise Spaan Universidad Michoacana de San Nicholas de Hidalgo	Feeding tree basal area and forest loss determine spider monkey numbers on transects	
2:15pm	Speed Talk Session: Social-Ecological	Systems Kaufmann / Linder Theaters	
٠,	Session Chair: Pua'ala Pascua , Biocultural Specialist and Biodiversity Scientist, Center for Biodiversity and Conservation, American Museum of Natural History		
	Diana Ruiz Pontificia Universidad Javeriana	Community gardens: opportunity for the conservation of urban biodiversity?	
	Amos Zerah University of California, Irvine	Gathering firewood and data for sustainable forests and cultures	
	Isabella Romitelli University of São Paulo	Inverted edge effects on carbon stocks in human-dominated landscapes	
	Hyeon Jeong Kim <i>University of Washington</i>	Tracking the illegal pangolin trade with genetics, detection dogs, and museum samples	
	Yichao Zeng University of Florida	Modeling changes in giant panda distribution in a coupled human and natural system	
	Rosiana Lagi The University of the South Pacific	Koga puipui – conservation, food and human security	
	Ganga Ram Regmi Global Primate Network and Snow Leopard Conservancy	Piloting foxlights to promote coexistence of carnivores with local herders in Nepal	
2:55pm	Speed-Talk Discussion and Break	Hall of Human Oriains	

2:55pm Speed-Talk Discussion and Break

Hall of Human Origins

3:35pm

Talk Session: Managing Landscapes

Kaufmann / Linder Theaters

Session Chair: **Pete Galante**, *Biodiversity Informatics Specialist*, *Center for Biodiversity and Conservation*, *American Museum of Natural History*

Conservation, American Mascam of Natural Instary		
Jenny Isaacs Rutgers University	Conservation archipelago: tracing the Western Hemisphere Shorebird Reserve Network	
Paulo Quadri University of California, Santa Cruz	Age and habitat driven responses to climate change in high altitude tropical pines	
Margit Bertalan University of North Carolina-Chapel Hill	Fencing for conservation: wildlife, communities, and forests in Kenya	
Vanessa Kichline Bard College	Strategies for enhancing carbon stocks in smallholder shade coffee systems	
Tehlu Singh Wildlife Institute of India	Estimating the density and habitat use of ungulates in a unique tiger landscape	

5:20pm

Award Ceremony and Closing Reception

Wallach Orientation Center, 4th floor (The Titanosaur)

Closing remarks and awards presentation for best talks, speed talks, and posters by **Ana Luz Porzecanski**, *Director*, *Center for Biodiversity and Conservation*, *American Museum of Natural History* and **Felicity Arengo**, *Associate Director*, *Center for Biodiversity and Conservation*, *American Museum of Natural History*.

We thank Yale University Press, Island Press, Applied Biomathematics, Fauna & Flora International-Cambridge University Press and Oryx—The International Journal of Conservation for their generous donation of conference prizes.

6:30pm-

Public Panel Event

Kaufmann Theater

8:00pm

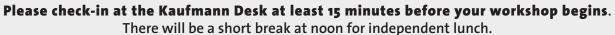
Mack Lipkin Man and Nature Series Panel Discussion

Conservation and Resilience: What Climate Change is Teaching Us With panelists:

- Arturo A. Massol-Deyá, Professor, Department of Biology at the University of Puerto Rico; Associate Director, Casa Pueblo
- **Erika Svendsen**, Research Social Scientist, U.S. Forest Service
- Jennifer Bolstad, Landscape architect, an educator and a community organizer for social and environmental justice, Local Office
- Walter Meyer, Urban designer, Local Office

Moderated by **Ana Luz Porzecanski**, *Director*, *Center for Biodiversity and Conservation*, *American Museum of Natural History*

Agenda: Friday, October 26th: Workshops



There will be a short break at noon for independent lunch.		
9:00am- 12:00pm	Workshop Session I	Led by:
	What Am I Doing With My Life? Career Planning for the Modern Conservationist	Mary Blair, Alex Moore, Camera Ford, Center for Biodiversity and Conservation, American Museum of Natural History; Alexandra Sutton Lawrence, Duke
	Kaufmann Theater	University; Christian Rivera , University of Florida
	Fundraising 101: Developing a Fundraising Strategy for Grants and Scholarships	Kate Mastro , Graduate Scholarship Program, Wildlife Conservation Society; Jill Spear , Julia Luthringer , Early Career Grants, National Geographic Society
	Portrait Room	
	Spatial Analysis in R	Vijay Ramesh , Columbia University
	Rose Center Classroom 2	
	Hacking for Conservation Calder Lab	Cassie Hoffman, Tom Quigley, Jay Sullivan , Conservation X Labs
	Science Communication: Breaking Barriers and Building Bridges Room 319	Sarah States, Maria Wheeler-Dubas , Phipps Conservatory and Botanical Gardens
12:45pm- 1:45pm	Behind-the-Scenes Museun	n Collection Tours Meet at Kaufmann Desk
2:00pm-	Workshop Session II	Led by:
5:oopm	Confronting Harassment and Assault in the Field	Erika Zavaleta , Howard Hughes Medical Institute, University of California
	Room 319	
	Designing, Applying, and Interpreting Conservation Genetics Studies Calder Lab	Stephen Gaughran, Gisella Caccone, Yale University; Evon Hekkala , Fordham University; George Amato , American Museum of Natural History
	Zooniverse and Wildbook—Starting With Computer Vision For Beginners RGGS Lab	Darya Chernikhova, Gotham Green Software
	Species Distribution Modeling for Conservation in R and Wallace	Matthew Aiello-Lammens, Pace University; Jamie Kass, Andrea Paz, Gonzalo Pinilla Buitrago, City University of
	Sackler Lab	New York
	Inspired Cover Letter, Meticulous Resume, and Impressive Interview Skills—Getting the Tools for Your Optimal Conservation Job!	Sylvia Atsalis, University of Chicago
	Portrait Room	
	Stand Out for the Right Reasons:	Nadav Gazit, Center for Biodiversity and Conservation,

Linder Theater

Arturo A. Massol-Deyá

Executive Director of Casa Pueblo; Professor, University of Puerto Rico

The role of conservation initiatives in Hurricane Maria response and energy transformation in Puerto Rico

The Caribbean is considered a 'hotspot' for biodiversity, with its tropical forests harboring one of the most diverse plant communities on the Planet. Puerto Rico's forests have recovered in the last hundred years from extreme deforestation due to monocultures, reaching ~ 60% of forest cover. However, changes in land use threaten its successional progress.

Casa Pueblo is a community-based organization in the central mountains of Puerto responsible for protecting the region and its critical watersheds from an open pit mining proposal and a massive gas pipeline. We spearheaded the designation of new forest units, managed by communities, thus changing the Island's forestry policy and catalyzing an increase of protected areas from 4% to 8%. After Hurricane María in September 2017, our organization and community responded to the emergency aiming to change the energy landscape of our fossil fuel dependent country to one based on renewable energy sources.

Puerto Rico is 98% dependent on centralized power generation with imported fossil fuels. Hurricane María obliterated Puerto Rico's electric grid, leading to the longest power outage in U.S. history, disrupting medical care for thousands and contributing to more than 2,975 deaths.

Casa Pueblo has been operating with solar energy since 1999. After the hurricane, we served as an energy oasis, distributed over 14,000 solar lamps, installed dozens of solar refrigerators in rural communities, operated a radio station, founded a solar cinema, provided power to hospitals, classrooms, a barber shop, mini markets in the rural areas, and over 25 homes with solar energy.

Today, Casa Pueblo is promoting solar production throughout Puerto Rico with their 'Marcha del sol' (The Sun's March). We recognize the need for non-solar energy as well, and are working to develop a hybrid system that will use the byproducts of coffee and wood, which will meet the energy needs of rural communities. Puerto Rico can become a climate resilience hub embracing the renewable energy sources that abound in our Island (sun, wind, water, and biomass), and building robust micro-grids, hybrid systems and intelligent networks that can increase our resilience. Community management in the conservation of natural resources seeks to fulfill our global responsibility in facing climate change and social inequality.

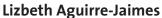
Erika Svendsen

Research Social Scientist, U.S. Forest Service

People as 'Agents of Change': understanding and supporting stewardship to enhance resilience

In the context of climate change, including coastal flooding and extreme heat events, mangers are increasingly turning to natural solutions as part of an integrated set of resiliency strategies to mitigate the effects of these disturbances. While green infrastructure—including engineered coastlines, wetlands, bioswales, trees, and woodlands—is seen as a crucial biophysical buffer as part of these systems, it is less often considered as a platform for social engagement that can, in turn, be turn be used to foster social resiliency. This talk shares methodologies and key findings for understanding and supporting stewardship in order enhance our environment but also to foster social trust and resilience. In particular, I will share the Stewardship Mapping and Assessment (STEW-MAP) framework that was originally developed in New York City, and since has been replicated in approximately a dozen cities across the U.S. and the globe, as a means to analyze, visualize, and strengthen stewardship as a system.

Guide to Posters (in alphabetical order by presenter's last name)



University of California, Santa Cruz Using stable isotopes to examine the diet of a climate-vulnerable alpine songbird

Iftikar Ahmed

Stony Brook University
Phenological change of local migratory bird populations

Cullen Anderson

Auburn University
Estimating fosa population parameters in the rainforests of Madagascar

John Armstrong

University of California, Santa Cruz Biodiversity implications of urban solar energy

Nathan Auyeung, Romilinda Cruz-Gonzalez

Science Research Mentoring Program, American Museum of Natural History Evaluating nest-predator excluder effectiveness with population viability analysis

Joshua Barry

Pace University
Pumas and other predators as ecosystem
engineers for carrion-dependent invertebrates

Angela Benton, Gabriella Sosa Medina

Science Research Mentoring Program, American Museum of Natural History Insights into bacterial gut, skin, and oral microbiomes of free-ranging bobcats

Shazneka Blue

Kean University
Assessment of dead wood fungi biodiversity in parks and reserves across New Jersey

Louise Bodt

New York University
Genetic diversity of the invasive European starling in North America

Brandon Boxler

University of Maine Monarch butterfly roost site selection & viability east of the Appalachian Mountains

Daniel Cárcamo

Universidad de Valparaíso

Are the southern elephant seal extending the distribution in the southeast Pacific?

Kristi Collom

Hunter College
Passive acoustic monitoring of marine mammal habitats in Belize

Sonia Dattaray

EcoHealth Alliance
Valuation of ecosystem services in South East
Asia: Malaysia, Indonesia, and Thailand

Allison Devlin

State University of New York College of Environmental Science and Forestry
Despots of the wetland: density, resource use & demography of jaguars (Panthera onca)

Jessica Espinosa

Columbia University Life in plastic, it's (not) fantastic: impact of pollution on hermit crabs in Fiji

Hanan Farah

University of Minnesota Twin Cities

Narrowing the gene pool: assessing resistance to nutrient and drought stress in crop sunflower

Adriana Fratz

EcoHealth Alliance
Distribution of rabies within the geographic ranges of bat species in Canada

Daniel Gurdak

State University of New York College of Environmental Science and Forestry Evaluating surrogate roles in resource management of the giant arapaima fish

Sarah Kudman

Hofstra University
Effects of nitrogen loading in Hudson River
estuaries as shown by Malaclemys terrapin

Adrienne Le

San Francisco State Univeristy
The relationship between A. macrodactlyum and
Bd: a retrospective analysis

Kathryn Lesneski

Boston University Identifying resilient individuals of an endangered coral for reef restoration

Nicolas Locatelli

Columbia University
Genetic structuring of two Hawaiian corals,
Montipora capitata and Porites compressa

Joseph Makaure

State University of New York College of Environmental Science and Forestry A review of biogeographic zones for southern African freshwater fishes

Vanessa Man, Ramon Pimentel

American Museum of Natural History, Science Research Mentoring Program eDNA: a promising tool for assessing mammalian biodiversity

Camila Meneses

University of the Philippines Los Baños Herpetofaunal diversity along elevational gradients of MG₂NP, Sibuyan Island

Johanna Mitra, Jessica Estrada

American Museum of Natural History, Science Research Mentoring Program Visualizing evolutionary relationships and climate change in South American birds

Katherine Murphy

Pace University
Exploring the Bronx Zoo: ex-situ practices that best serve conservation stewardship

Amanda Neal

St. Francis College
Stable seasonal populations of seals in the urban marine environment of New York City

Mohan Pandey

Society of Natural Resource Conservation and Management

Transhumance practice: boon or bust for the conservation of Himalayan landscapes?

Pooja Panwar

University of Arkansas

Do acoustic indices reflect the characteristics of bird communities in Arkansas?

Daniel Petticord

Princeton University

An exploration of movement ecology and dietary niche partitioning in an African tortoise

Alex Piacentini

*Tufts University*Food security and the bushmeat trade: an

Food security and the bushmeat trade: ar interdisciplinary approach

Alexandrea Safiq

Rutgers Universiry

The role of bio-cultural homogenization in coral reef conservation

Emily Scott

Johns Hopkins Bloomberg School of Public Health Is avian biodiversity at risk in the tropical Andes? 10-year monitoring study results

Patrick Shea

The Graduate Center, City University of New York Biodiversity assessment of Hawaiian coral reefs by environmental DNA analysis

Vallari Sheel

North Carolina State University
Figs and semal: trees in an urban jungle

Guide to Posters

Yue Shi

University of Washington

Maternal gut microbiota of Chiru populations shift during the perinatal period

Devyani Singh

Clemson University
Understanding social contexts of conservation:
insights from Indian tiger reserves

Marian Vargas

Hofstra University
Polychlorinated biphenyls in Hudson River
estuaries: a test with Malaclemys terrapin

Anna Vera

American Museum of Natural History, Science Research Mentoring Program Spatial Ecology of Urban Coyotes along the East Bronx Waterfront, NYC

Savanna Wooten

University of Tennessee at Chattanooga Ex situ conservation physiology of the rare white fringeless orchid

Catherine Zhou, Pablo De Castro Gomez

American Museum of Natural History, Science Research Mentoring Program Deforestation rates in Madagascar's eastern humid forests

SCCS-NY Advisors, Reviewers, Mentors

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American Museum of Natural History

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Novem Auyeung

NYC Parks

Daniel Baldassarre

SUNY Oswego

Chanda Bennett

Columbia University

Erin Betley

American Museum of Natural History

Mark Birchette

American Museum of Natural History

Mary Blair

American Museum of Natural History

Hellin Brink

American Museum of Natural History

Russell Burke

Hofstra University

Nora Bynum

Duke University

Anthony Caragiulo

American Museum of Natural History

Catherine Christen

Smithsonian Conservation Commons

John Cigliano

Cedar Crest College

Christina Colon

Kingsborough Community College

Tara Cornelisse

Center for Biological Diversity

Georgina Cullman

NYC Department of Parks & Recreation

Leo Douglas

American Museum of Natural History

Kristin Douglas

American Museum of Natural History

Diego Ellis Soto

Yale University & MPYC

Wendy Erb

Columbia University

Peter Ersts

American Museum of Natural History

Jeremy Feinberg

NYC Parks

Joshua Fisher

Columbia University

John Flynn

Richard Gilder Graduate School

Nick Friedenberg

Applied Biomathematics

Nadav Gazit

American Museum of Natural History

James Gibbs

The State University of New York College of

Environmental Science and Forestry

Anthony Giordano

SPECIES

SCCS-NY Advisors, Reviewers, Mentors



ICF International

Martha Groom

University of Washington

Kate Hanson

IXL Learning

Evon Hekkala

Fordham University; American Museum of

Natural History

Kate Holmes

Wildlife Conservation Society

Ned Horning

American Museum of Natural History

David Johns

Portland State University, Marine Conservation

Institute; Wildlands Network

Sara Kross

Columbia University

Kim Landrigan

American Museum of Natural History

Jenna Lawrence

Columbia University

Minh Le

American Museum of Natural History

Dennis Liu

E.O. Wilson Biodiversity Foundation

Julia Luthringer

National Geographic Society

Suzanne Macey

American Museum of Natural History

Nicole Mihnovets

Columbia University

Genia Naro-Maciel

New York University

Chandni Navalkha

Lincoln Institute of Land Policy

Nate Nibbelink

University of Georgia

Kathleen Nolan

St. Francis College

Kevin Olival

Ecohealth Alliance

Brian Palestis

Wagner College

Matt Palmer

Columbia University

Ellen Pehek

NYC Department of Parks & Recreation

Susan Perkins

American Museum of Natural History

Jennifer Phillips

Bard College

Anne Ricculli

Drew University

Kimberly Russell

Rutgers University

Amir Sheikh

University of Washington - Bothell; Burke

Musuem, University of Washington

Amanda Sigouin

American Museum of Natural History

Jill Spear

National Geographic Society

Eleanor Sterling

American Museum of Natural History

Don Stewart

State University of New York College of

Environmental Science and Forestry

Morgan Tingley

University of Connecticut

Anne Toomey

Pace University

Mike Treglia

The Nature Conservancy

Lina Valencia

Global Wildlife Conservation

Erin Vogel

Rutgers University

Mark Weckel

American Museum of Natural History

Paige West

Barnard College; Columbia University

Claudia Wultsch

American Museum of Natural History

Yael Wyner

City College of New York

Rae Wynn-Grant

National Geographic; American Museum of Natural History





CENTER FOR BIODIVERSITY AND CONSERVATION

The Center for Biodiversity and Conservation (CBC) at the American Museum of Natural History was established in 1993 in response to concern among its scientists over rapid species loss and increasing ecosystem degradation around the world, and to leverage Museum resources to heighten public understanding and stewardship of biodiversity. Entering its third decade, the CBC transforms knowledge into conservation action through pioneering multidisciplinary collaborative research, capacity development, and by convening and connecting key actors. The CBC has developed a distinctive approach, fostering cocreative processes with strategic partners across all of our programs and projects. CBC staff members, including multiple conservation scientists and outreach specialists, work closely with communities and local partners to establish common goals and research priorities; design, implement, evaluate, and adaptively manage model conservation programs; and share results with people facing similar challenges. Thus our work spans the full cycle of conservation action, connecting diverse perspectives and sources of knowledge to conservation problems and solutions.

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