



AMERICAN MUSEUM
OF NATURAL HISTORY

CENTER FOR BIODIVERSITY AND CONSERVATION

Student Conference on Conservation Science - New York

October 11-13, 2017

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American Museum of Natural History

The 2017 Student Conference on Conservation Science – New York is organized by the **Center for Biodiversity and Conservation** at the American Museum of Natural History.

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Table of Contents

Acknowledgements	4
General Information	5
Code of Conduct	6
Conference Agenda	8
Plenarists	15
Guide to Posters	16
Advisors, Reviewers, Mentors	19
Notes	22
Center for Biodiversity and Conservation	24

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

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Acknowledgements

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

The 2017 Student Conference on Conservation Science-New York (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.

The 2017 SCCS-NY is organized by the American Museum of Natural History's Center for Biodiversity and Conservation.

SCCS-NY Content and Logistics Coordination:

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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.
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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 events 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 visuals 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 unacceptable behavior 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.

Agenda: Wednesday, October 11th



8:00am	Registration and Volunteer Check-In Breakfast	<i>Grand Gallery / 77th Street Lobby Hall of Northwest Coast Indians</i>
9:00am	Welcome and Introduction <i>Ana Luz Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History</i>	<i>Kaufmann Theater</i>
9:15am	Plenary Address From Problems to Solutions: Moving Beyond Environmental Doom and Gloom <i>Jeremy Jackson, Professor of Oceanography Emeritus, Scripps Institution of Oceanography & Senior Scientist Emeritus, Smithsonian Institution</i>	<i>Kaufmann / Linder Theaters</i>
10:00am	Talk Session: Species Distributions Session Chair: Rae Wynn-Grant , <i>Conservation Science Research and Teaching Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History</i> Jocelyn Akins <i>University of California, Davis</i> Dipankar Lahkar <i>Assam University & Aaranyak</i> Jamie Kass <i>The Graduate Center & City College of New York, City University of New York</i>	<i>Kaufmann / Linder Theaters</i> Distribution, connectivity, and conservation status of the Cascade red fox Tiger population recovery post ethno- political conflict in Manas National Park, India Biotic predictors improve range estimates for migrating monarch butterflies in Mexico
11:00am	Break	<i>Hall of Northwest Coast Indians</i>
11:20am	Talk Session: Genetics Session Chair: George Amato , <i>Director, Conservation Genomics, Sackler Institute for Comparative Genomics, American Museum of Natural History</i> M. Elise Lauterbur <i>Stony Brook University</i> Alexandra Decandia <i>Princeton University</i> Stephen Gaughran <i>Yale University</i> Ram Subramanian <i>CSIR-Centre for Cellular and Molecular Biology</i>	<i>Kaufmann / Linder Theaters</i> Genetic diversity estimates of small populations impacted by model choice Genetic underpinnings of disease susceptibility in Yellowstone wolves Conserving tortoises, conserving genomes Effects of forest fragmentation on the endangered lion-tailed macaque
12:30pm	Group Photo	<i>Location to be announced</i>
1:00pm	Lunch: Mentor-Hosted Tables	<i>School lunchrooms, lower level</i>

2:20pm	Speed Talk Session: Social-Ecological Management	<i>Kaufmann / Linder Theaters</i>
	Session Chair: Mary Blair , <i>Director, Biodiversity Informatics Research, Center for Biodiversity and Conservation, American Museum of Natural History</i>	
	Md Safiqul Islam <i>Ludwig-Maximilians-Universität München</i>	Illegal turtle trading at Bangladesh: extent, fluctuations and religious prospect
	Jamin Wieringa <i>The Ohio State University</i>	Trace elements as a method for sourcing migratory tree bats
	Melanie Leilā Dudley <i>State of Hawai'i's Department of Land and Natural Resources Division of Forestry and Wildlife's Nāpu'u Conservation Project & University of Hawai'i at Hilo</i>	He Hua i ka Noi'i Noelo the application of Hawaiian place names in scientific inquiry
	Christina Corales <i>University of the Philippines Los Baños</i>	Accounting the true value of marine resources towards inclusive conservation
	Camilo Alejo <i>Pontificia Universidad Javeriana</i>	Amazon conservation through sustainable livelihoods: the case of <i>Astorcaryum chambira</i>

2:50pm Short Break

2:55pm	Speed Talk Session, Continued	<i>Kaufmann / Linder Theaters</i>
	Caroline Beardsley <i>Rutgers University</i>	Impact of novel light sources on arthropod communities
	Kristen Steele <i>University College London</i>	Fishing the critically endangered eel: management for sustainability in the UK
	Scott Martin <i>The Ohio State University</i>	Rising tides and shrinking shores: evaluating how coastal management impacts wildlife
	Jeffrey Brown <i>Rutgers University</i>	Loss of songbirds in a small urban protected area: a sign of things to come?
	Diana Seecharran <i>University of Guyana</i>	Trends in the export of mammals, birds and reptiles from Guyana (2006-2015)

3:25pm Speed Talk Discussion and Break *Hall of Northwest Coast Indians*



4:05pm **Talk Session: Landscape Stewardship & Management**

Kaufmann / Linder Theaters

Session Chair: **James Levitt**, *Manager, Land Conservation Programs, Lincoln Institute of Land Policy*

Meghna Krishnadas
Yale University

Parks protect forest cover, especially where local human populations are high

Charles van Rees
Tufts University

Marsh birds in urban lands: do streams facilitate population connectivity?

Mariya Chechina
University of Alberta

Choosing species for reforestation in highly diverse tropical forest communities

5:00pm-7:00pm **Poster Session, Pizza Reception + Resource and Career Fair**

Hall of Primitive Mammals and Ornithischian Dinosaurs, 4th floor

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

Come network and gather information about future careers and resources in conservation science!

Resource and Career Fair Exhibitors:

- Conservation Leadership Programme
- Consortium for Interdisciplinary Environmental Research
- EcoHealth Alliance
- Environmental Leadership Program
- Fordham University
- Foundations of Success
- George Mason University
- The Graduate Center of the City University of New York
- International Union for Conservation of Nature (IUCN)
- Island Press
- NASA DEVELOP
- Network of Conservation Educators and Practitioners (NCEP)
- Ocean Conservancy
- RAY Marine Conservation Diversity Fellowship
- Richard Gilder Graduate School (RGGS)
- Smithsonian Institution
- Smithsonian-Mason School of Conservation / Smithsonian Conservation Biology Institute
- Society for Conservation Biology (SCB)
- Society for the Preservation of Endangered Carnivores & their International Ecological Study (SPECIES)
- Student Conservation Association (SCA)
- The Nature Conservancy
- University of Florida's Wildlife Forensic Sciences and Conservation Program
- Wildlife Conservation Society - Advanced Inquiry Program
- Wildlife Conservation Society - Marine Program
- Wiley Publishing
- World Wildlife Fund - Russell E. Train Education for Nature program
- Yale University Press

8:00am Breakfast and Registration *Grand Gallery / 77th Street Lobby*

9:00am Plenary Address *Kaufmann / Linder Theaters*

#movingtheneedle: Increasing the Creative Capacity of Conservation for Greater Social Change and High Impact Collaboration

Nai'a-Ulumaimalu Lewis, Artist and Creative Director of *84 and Sunny &* Coordinator, *Big Ocean*

Introductionary remarks by **Eleanor Sterling**, *Jaffe Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History*

9:50am Talk Session: Human Dimensions *Kaufmann / Linder Theaters*

Session Chair: **Eleanor Sterling**, *Jaffe Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History*

José Ochoa-Arguello & Anahí Naranjo-Jara
University of Washington & Middlebury College
Green heuristics: race, ethnicity, and environmental consciousness revisited

Diana Bertuol Garcia
Universidade de São Paulo
Revealing viewpoints on the science-practice interface in ecology and conservation

Hoang Thach
Rutgers University
Slow loris trade in Vietnam: exploring diverse knowledges and values

Alifa Haque
University of Dhaka
Shark finning: value chain analysis of shark products sourced from Bangladesh

Vallari Sheel
North Carolina State University
Large-scale illegal trade in India's tortoises and freshwater turtles

11:35am Break *Hall of Northwest Coast Indians*

12:00pm Talk Session: Freshwater Systems *Kaufmann / Linder Theaters*

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

Daniel Gurdak
State University of New York, College of Environmental Science and Forestry
Site fidelity of arapaima in the Lower Amazon: management in a sea of depletion

Leah Nagel
State University of New York, College of Environmental Science and Forestry
From egg to adult: factors influencing amphibian survival in small, isolated wetlands

Charitos Zapitis
University of Derby
Unionid mussels: bioremediation potential in eutrophic freshwater ecosystems

1:00pm Lunch: Mentor-Hosted Tables *School lunchrooms, lower level*

Agenda: Thursday, October 12th



2:20pm **Speed Talk Session: Species and Habitats** *Kaufmann / Linder Theaters*

Session Chair: **Simon Queenborough**, *Musser Director of Tropical Resources Institute, Lecturer and Research Scientist, Yale University*

Kaia Tombak <i>Princeton University</i>	Dietary flexibility and health indicators in zebras facing nutrient declines
Mariela Gantchoff <i>Mississippi State University</i>	Factors predicting alien species richness in Argentina's national parks system
Kelley Langhans <i>Temple University</i>	Unraveling the independent drivers of biotic homogenization
Mahi Puri <i>University of Florida</i>	Examining large carnivore occurrence and conflict in central India
Danielle Brown <i>George Mason University</i>	Urban humpback whales: sighting patterns in the New York metropolitan area
Claire Goelst <i>Columbia University</i>	Mapping mortality to mitigate conflict: spatial variations in risk for African lions

2:55pm **Short Break**

3:00pm **Speed Talk Session, Continued**

Emily Chou <i>Columbia University</i>	Identifying potentially important humpback whale breeding areas in the Gulf of Guinea
Julia Molina <i>Universidade de São Paulo</i>	From population to individuals: cross-level habitat selection in a dolphin population
Shannon Murphy <i>Columbia University</i>	Satellite tracking reef manta rays (<i>Mobula alfredi</i>) to inform conservation management
Catherine Stolfi <i>NASA DEVELOP</i>	Water parameters affecting Mississippi oyster reefs using NASA Earth observations
Rachel Welt <i>Richard Gilder Graduate School, American Museum of Natural History</i>	Delimiting species of Madagascar's cryptic endemic iguanas (Opluridae)
Noemí Moreno Salazar <i>Pontificia Universidad Javeriana</i>	24 years later: plasticity of bird community adaptation to conservation challenges
Justine Albers <i>Swarthmore College</i>	Host-parasite response to landscape structure

3:45pm **Speed Talk Discussion and Break** *Hall of Northwest Coast Indians*

4:20pm **Talk Session: Tools for Species Management** *Kaufmann / Linder Theaters*

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

Vijay Ramesh <i>Columbia University</i>	IUCN greatly underestimates threat levels of endemic birds in the Western Ghats
Adam Pekor <i>Columbia University</i>	Fencing Africa's protected areas: costs, benefits, and management issues
Matthew Kamm <i>Tufts University</i>	Quadcopter drone photography as a means of characterizing habitat for birds

5:00pm **Awards Ceremony** *Hall of Northwest Coast Indians*

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 the Lincoln Institute for Land Policy, Yale University Press, Island Press, the Society for Conservation Biology, and Applied Biomathematics for their generous donation of conference prizes.

5:20pm-6:15pm **Closing Reception** *Hall of Northwest Coast Indians*

6:30pm-8:00pm **Waves of Change: Challenges and Solutions from the Ocean** *Kaufmann Theater*

Panel Discussion
Mack Lipkin Man and Nature Series

With panelists:

- **Jeremy Jackson**, *Professor of Oceanography Emeritus, Scripps Institution of Oceanography & Senior Scientist Emeritus, Smithsonian Institution*
- **Nai'a-Ulumaimalu Lewis**, *Artist and Creative Director of 84 and Sunny & Coordinator, Big Ocean*
- **Merry Camhi**, *Director, New York Seascape, Wildlife Conservation Society*

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

Agenda: Friday, October 13th: Workshops

Please check-in at the Kaufmann Desk at least 10 minutes before your session begins.
There will be a break at noon for independent lunch.

9:00am- Workshop Session I

12:00pm

An Introduction to Adaptive Management - Practical Training for Tomorrow's Leaders in Conservation
Calder Lab, 2nd floor

Led by: Ashleigh Baker, *Foundations of Success*

Designing, Applying, and Interpreting Conservation Genetics Studies
Rose Center Classroom, 2nd floor

Led by: Stephen Gaughran, *Yale University*; Evon Hekkala, *Fordham University*

Introduction to Statistics in R for Conservation Scientists
RGGS Lab, 5th Floor

Led by: Erika Crispo, Matthew Aiello-Lammens, *Pace University*

Making Conservation Politically Effective: Representing Other Species' Interests Before Decision Makers
Room 319, 3rd floor

Led by: David Johns, *Portland State University*, *The Wildlands Network* and *Marine Conservation Institute*

What am I Going to Do with the Rest of my Life?! Exploring Careers in Conservation
Kaufmann Theater, 1st Floor

Led by: Mary Blair, Rae Wynn-Grant, *Center for Biodiversity and Conservation*, *American Museum of Natural History*; Cynthia Malone, *University of Toronto*; Alexandra Sutton, *Duke University*

1:00pm- Behind-the-Scenes Museum Collection Tours
1:45pm

Check-in at Kaufmann Desk at 12:50pm

2:00pm- Workshop Session II

5:00pm

Expanding Your Teaching Toolbox: An Introduction to Active Teaching and Scientific Teaching Approaches
RGGS Classroom, 5th Floor

Led by: Suzanne Macey, Ana Luz Porzecanski, *Network of Conservation Educators and Practitioners*, *Center for Biodiversity and Conservation*, *American Museum of Natural History*

Talking the Talk: Giving Effective and Engaging Presentations
Linder Theater, 1st Floor

Led by: Chris Parsons, *George Mason University*; John Cigliano, *Cedar Crest College*

Fundraising 101: Developing a Fundraising Strategy for Grants & Scholarships
Portrait Room, 1st Floor

Led by: Christina Imrich, Kate Mastro, *Wildlife Conservation Society*; Stephanie Eisenman, *World Wildlife Fund*, *Russell E. Train Education for Nature Program*

Spatial Analysis in R
Calder Lab, 2nd floor

Led by: Vijay Ramesh, *Columbia University*



Jeremy Jackson

Professor of Oceanography Emeritus, Scripps Institution of Oceanography & Senior Scientist Emeritus, Smithsonian Institution

From Problems to Solutions: Moving Beyond Environmental Doom and Gloom

Rising temperatures, increasingly severe weather, sea level rise, and deeply unsound and cynical governmental policies gravely threaten the American environment, biodiversity, and human wellbeing. But at the same time there are rapidly increasing signs that the public and major components of the private sector have woken up to these threats and are already taking corrective actions. The rush towards renewables is unstoppable and entire states and local communities are rejecting “business as usual” to adopt genuinely sustainable energy policies. Likewise, increasing problems of soil loss, nutrient pollution, and superweeds are helping to refocus American agriculture on more sustainable farming and healthier food. We need to celebrate these successes to change the national and global political conversation from a sense of hopelessness to consistently aggressive corrective actions. All of this achievable despite the recent reversals of the new American administration.

Nai’a-Ulumaimalu Lewis

Creative Director, 84 and Sunny & Coordinator, Big Ocean

#movingtheneedle: Increasing the Creative Capacity of Conservation for Greater Social Change and High Impact Collaboration

With every major socio-cultural, political or economic shift, disciplines and industries often face having to make significant changes in their practices or risk becoming irrelevant. As social norms and values have changed, conservation has responded by diversifying its workforce, incorporating more social sciences, developing citizen science opportunities, and investing in better understanding and integrating multiple knowledge systems.

However, as humanity endeavors to grapple with the information age, while simultaneously dealing with environmental threats of global proportion, conservation must be ready to make the next shift. As the most successful enterprise level companies and organizations globally are realizing—success and relevance tomorrow is rooted in building a resilient, creative workforce today—conservation must follow suit.

By broadening the range of skills expected from the conservation workforce and supporting them to bring the full spectrum of their interests and passions to the table, conservation will be better able to: develop and maintain relevance with a wider spectrum of people; utilize design or systems thinking; support innovative research for the long term; and be able to benefit from advances in other disciplines.

In her talk, Nai’a Lewis, walks us through the highlights of her career in conservation, the experiences that changed her views on the discipline, and the ways in which she was able to affect change as a social entrepreneur and artist through examples that include stakeholder engagement, human dimensions of large-scale marine protected areas management, integration of Indigenous knowledge and the creation of Big Ocean.



Ayla Allen

Princeton University

Primates of Pacaya Samiria: population dynamics in a changing climate

Bolívar Aponte-Rolón

University of Michigan

Quality of leaf-litter and ant assemblages in shade-grown coffee in Chiapas, Mexico

Natalia Aristizabal

University of São Paulo

Land-use and a network of pest control providers in sun coffee farms

Michelle Barrera

American Museum of Natural History Science

Research Mentoring Program

Ready to be released? Health assessment of the endangered Burmese star tortoise in Myanmar

Kevin Bennett

Fordham University

Domestic cats: response to urbanization and impact on bird survival

Ethan Bott

University of Wisconsin Stevens Point

Legend Lake bathymetric mapping

Catherine Bravo

University of Miami

Sensitivity to water limitation of tropical montane plants in the Peruvian Andes

Luke Carabbia

Princeton University

Parental food allocation in the greater ani: nestling gapes may act as supernormal stimulus

Aparna Chandrashekar

Hunter College

The demographic history of black-and-white ruffed lemurs in Ranomafana National Park

Megan Chellew

Oregon State University

Spatial relationships for vegetation and soils in coastal salt marshes

Nafilah Chowdhury & Desiree Pante

American Museum of Natural History Science

Research Mentoring Program

Role of Rivers in the speciation of the Blue-crowned Manakin (*Lepidothrix coronata*)

Kristi Collom

City University of New York, Hunter College

Aquatic urbanites—examining the presence of *Tursiops truncatus* in the New York Bight

Marisol Cruz Aguilar

University of Los Andes

Selva App: a mobile data collector for conservation in Bogota Eastern Hills Forest

Kathryn Didion

Princeton University

Education to combat land degradation in rural Kenya

Miranda Figueras

Hofstra University

Consumption and assimilation patterns of the eastern box turtle, a diet generalist

Ashley Fortner

George Mason University

Evaluating the effectiveness of behavior monitoring applications in the red panda

Meaghan Gade

The Ohio State University

Distribution patterns of salamanders across environmental and wildfire gradients

Alexis Garretson

George Mason University

Analysis of coyote activity around open-air compost site

Ann Marie Gawel

Iowa State University

Rats as seed predators or dispersers in a novel ecosystem

Harrison Goldspiel

State University of New York, College of Environmental Science and Forestry

Spatial and historical drivers of pool-breeding amphibians in central New York

Catherine Golubovsky & Joshua Boadu

American Museum of Natural History Science Research Mentoring Program

The Gotham coyote

Tatyana Graham & Alejandro Schmieder

American Museum of Natural History Science Research Mentoring Program

Jaguar feeding ecology: advances from next-generation sequencing

Michelle Greenfield

Princeton University

Effect of anthropogenic injuries on the social associations of bottlenose dolphins (*Tursiops truncatus*) in Sarasota Bay, Florida

Elizabeth Heppenheimer

Princeton University

Genetic variation in recently expanded eastern coyote (*Canis latrans*) populations

Leyla Hernandez

City College of New York

Combining environmental and trait data to predict biotic impacts of invasive anole

Camila Celestino Hohlenwerger

University of São Paulo

Landscape structure and the potential control of “pasture sharpshooters”

Sonia Howlett

Princeton University

Competition between native and introduced species in the food web of the Galapagos Island of Santa Cruz

Tyler Huntington

Swarthmore College

Relating traits and disturbance responses among tropical birds and dung beetles

Alicia Juang

Harvard University

Toxicokinetics of methylmercury in North Atlantic pilot whales (*Globicephala melas*)

Jessica Knierim

Hunter College

Using molecular techniques to determine provenance of illegal ring-tailed lemur pets

Amanda Mancini

The Graduate Center of City University of New York

Population genetic analysis of *Varecia variegata* in Ranomafana National Park

Ashley Massey

Wynn Wynn Moving Pictures

Lights! Camera! Conservation action! Conservation science in the media

M. Alejandra Munoz

Tufts University

Quantifying habitat suitability of an endangered Hawaiian waterbird for management

Quinn Parker

Princeton University

Assessing *Microcebus ravelobensis* (golden-brown mouse lemur) populations across anthropogenic landscapes in the Mahamavo forest region, Madagascar

Guide to Posters



Brielle Randall & Omari Romaine

*American Museum of Natural History Science
Research Mentoring Program*
Humans and conflict with bears (oh my!)

Lyndsay Rankin

Northern Illinois University
Measuring the nearshore recovery of seabird
islands following rodent eradication

Lily Reisinger

Princeton University
The role of vector-transmitted disease
in declining Grevy's zebra (*Equus grevyi*)
populations

Christian Rivera

Columbia University
Assessing ecological and social success in
chelonian conservation programs

Carla Rodriguez

Stony Brook University
Native species reforestation progresses toward
natural forest structure in Madagascar

Neha Savant

Columbia University
Comparing genomic structure and connectivity
of a threatened species at multiple scales

Karina Scavo

Boston University
Mangroves as potential reef refuges for
Caribbean branching reef *Porites divaricata*

Patrick Shea

*The Graduate Center of City University of New
York*
Metabarcoding approach for biodiversity
assessment of Hawaiian coral reef ecosystems

Amanda Sigouin

American Museum of Natural History
How does engaging stakeholders affect
conservation outcomes? An analysis of evidence

Stefanie Siller

Columbia University
Cultivating conservation knowledge in rural
Kenyan schools, clubs and communities

Jaima Smith

Oxford Brookes University
The people's voice: it's what matters

Akshit Suthar

Gujarat Ecology Society
Occurrence of smooth coated otter *Lutrogale
perspicillata* in Gujarat at new location

Jordon Tourville

University of Michigan
Herbivory, climate change and the future
landscape of Isle Royale National Park

Marisol Valverde

McGill University
Impacts of an introduced predatory fish on the
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Andean bear prompts biodiversity survey and
conservation of culture and environment

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Assessing urban oyster restoration through
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Viral sharing in the bat metacommunity

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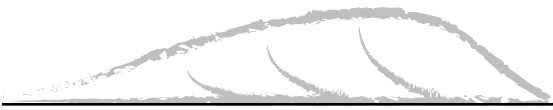
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AMERICAN MUSEUM OF NATURAL HISTORY

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 co-creative 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.