



AMERICAN MUSEUM OF NATURAL HISTORY

CENTER FOR BIODIVERSITY AND CONSERVATION

Student Conference on Conservation Science - New York

October 2-4, 2019



Student Conference on Conservation Science - New York

October 2-4, 2019

American Museum of Natural History

The 2019 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 2019 Student Conference on Conservation Science has been provided by **Marshall M. Weinberg**.

Conference Partners:



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Society for Conservation Biology

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

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Acknowledgments

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 2019 (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 2019 is organized by the American Museum of Natural History's Center for Biodiversity and Conservation (CBC).

SCCS-NY Content and Logistics Coordination:

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The SCCS-NY Content and Logistics Coordination team would like to thank CBC and Museum staff and the volunteers without whom the conference would not be possible.

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:

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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 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 +1-212-769-5742.
- 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:
 - Kala Harinarayanan: +1-212-769-5226, kharinarayanan@amnh.org
 - Daniel Scheiner: +1-212-769-5109, dscheiner@amnh.org
- Assisting those experiencing unacceptable behavior to ensure that they feel safe for the duration of the conference.

Agenda: Wednesday, October 2nd



8:00am	Registration and Volunteer Check-In Breakfast Poster drop-off	<i>77th Street Lobby</i> <i>Grand Gallery</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 <i>Dekila Chungyalpa, Director, Loka Initiative</i>	<i>Kaufmann / Linder Theaters</i>
10:00am	Talk Session: Community Perspectives in Conservation <i>Session Chair: Ana Luz Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History</i> Chloe Chen-Kraus <i>Yale University</i> Hongying Li <i>EcoHealth Alliance/Kingston University</i> Ann Marie Gawel <i>Iowa State University</i>	<i>Kaufmann / Linder Theaters</i> Human-lemur coexistence at Beza Mahafaly Special Reserve, southwest Madagascar The presence and community perspective of Chinese pangolin in Zhengjiang, China Perceptions of invasive species in an American island territory
10:55am	Break	<i>Spitzer Hall of Human Origins</i>
11:15am	Talk Session: Species Conservation <i>Session Chairs: Jill Spear, Program Officer & Arslan Ahmad, Associate Program Officer, Research and Conservation Grants, National Geographic Society</i> David Chiawo <i>Strathmore University</i> Morgan Bragg <i>George Mason University</i> Tuan Anh Nguyen <i>Hanoi University of Science</i>	<i>Kaufmann / Linder Theaters</i> Ecological responses of grey crowned crane to Kenya's climate change scenarios Linking the gut microbiome and inflammatory bowel disease in captive red wolves Ecological niche modeling for conservation of the Annamite striped rabbit
12:05pm	Group Photo	<i>Location to be announced</i>
12:45pm	Lunch: Mentor-Hosted Tables	<i>School Lunchrooms, Lower Level</i>

2:15pm **Speed Talk Session: Approaches to Landscape and Seascape Conservation** *Kaufmann / Linder Theaters*

Session Chair: **Mary Blair**, *Director, Biodiversity Informatics Research Center for Biodiversity and Conservation, American Museum of Natural History*

Patricia Ruggiero <i>University of São Paulo</i>	Political cycles drive deforestation in the Brazilian Atlantic Forest
Lauren Kim <i>Yale University</i>	Food forest stories: promoting urban biodiversity and reimagining public space
Patrick Shea <i>The Graduate Center, CUNY</i>	Comparing visual and genetic methods for Hawaiian coral reef biodiversity assessment
Jewel Tomasula <i>Georgetown University</i>	Chronic nutrient disturbance intensifies herbivory affecting salt marsh dieback
Laura Figueroa <i>Cornell University</i>	Monitoring conservation agreements in India: constraints between theory and practice
Amy Gage <i>Rutgers University</i>	<i>Parthenocissus quinquefolia</i> - a 'workhorse' for coastal restoration

3:00pm **Speed Talk Session: Species Conservation** *Kaufmann / Linder Theaters*

Session Chair: **Alex Moore**, *Postdoctoral Conservation Research and Teaching Fellow, American Museum of Natural History*

Mia Keady <i>George Mason University and Smithsonian Center for Conservation Genetics</i>	Infertility and the gut microbiome of captive African and Asian elephants
Jared Meek <i>Columbia University</i>	Phylogeography and conservation of endemic <i>Pedicularis</i> in the Hengduan Mountains
Mae Lowe Diesmos <i>De La Salle University</i>	Status and conservation of limestone karst frogs from the Philippines
Hammed Akande <i>McGill University</i>	Autocorrelation and non-stationarity effect on bird species richness in Ontario, CA
Adriana Eugene <i>Hofstra University</i>	Estimating diamondback terrapin population sizes: using a parasite as proxy
Madison Soule <i>George Washington University</i>	Allostatic load as a predictor of increased morbidity and early mortality in gorillas

3:35pm **Speed Talk Discussion and Break** *Spitzer Hall of Human Origins*



4:15pm **Talk Session: Approaches to Forest Conservation**

Kaufmann / Linder Theaters

Session Chair: **Leo Douglas**, *Clinical Assistant Professor, Liberal Studies, New York University*

Rachel Friedman
University of Queensland

Is community forest management an equitable conservation solution?

Siqi Liang
Duke Kunshan University

The biodiversity impacts of active reforestation: a meta-analysis

Adrian Gonzalez
Universidade de São Paulo

Forest cover contributes to yield stability of pollinator dependent crops

Julia Barreto
University of São Paulo

Biodiversity responses to deforestation and fragmentation in the Atlantic Forest

5:30pm–7:30pm **Poster Session, Resource and Career Fair + Pizza Reception**

Milstein Hall of Ocean Life

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:

- Center for the Study of Pinniped Ecology and Cognition (C-SPEC)
- Conservation Leadership Programme
- Consortium for Inter-Disciplinary Environmental Research
- City University of New York – Ecology, Evolutionary Biology, and Behavior (CUNY-EEB)
- Cold Spring Harbor Laboratory DNA Learning Center
- EcoHealth Alliance
- Environmental Leadership Program (ELP)
- International Union for Conservation of Nature (IUCN)
- National Geographic Society
- Network of Conservation Educators and Practitioners (NCEP)
- Nelson Institute for Environmental Studies
- NYC Parks – Wildlife Unit
- Ocean Conservancy
- Point Blue Conservation Science
- RAY Marine Conservation Diversity Fellowship
- Richard Gilder Graduate School (RGGGS)
- Society for Conservation Biology (SCB)
- Student Conservation Association (SCA)
- The American Council for an Energy-Efficient Economy (ACEEE)
- Turtle Conservancy
- Wildlife Conservation Society – Marine Program
- Wiley
- Women in Natural Sciences (WINS)
- WWF – Education for Nature Program
- Yale University Press

8:00am	Registration and Volunteer Check-In Breakfast	<i>77th Street Lobby Grand Gallery</i>
9:00am	Introduction <i>Eleanor Sterling, Jaffe Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History</i>	<i>Kaufmann Theater</i>
9:05am	Plenary Address <i>Martín Mendez, Director, Southern Cone - Patagonia, Wildlife Conservation Society</i>	<i>Kaufmann / Linder Theaters</i>
9:50am	Talk Session: Conservation in Human-Dominated Landscapes Session Chair: Eleanor Sterling , <i>Jaffe Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History</i>	<i>Kaufmann / Linder Theaters</i>
	Annesha Chowdhury <i>Manipal Academy of Higher Education</i>	Conservation through certification of cash crops: skirting non-charismatic species?
	Christian Schneider <i>Leipzig University</i>	Is small-scale peasant agriculture good for soil conservation?
	Kate Douthat <i>Rutgers University</i>	Plant communities and conservation potential of urban stormwater systems
10:40am	Break	<i>Spitzer Hall of Human Origins</i>
11:00am	Talk Session: Conservation Genetics and Genomics Session Chair: George Amato , <i>Director, Conservation Genomics, Sackler Institute for Comparative Genomics, American Museum of Natural History</i>	<i>Kaufmann / Linder Theaters</i>
	Stephen Gaughran <i>Yale University</i>	Population genomic modelling as a way to inform recovery goals in endangered species
	Melina Giakoumis <i>The Graduate Center, CUNY</i>	Genomic data reveal history of divergence and introgression in Atlantic sea-stars
	Nicole Fusco <i>Fordham University</i>	Genetic connectivity of salamanders in stream systems in the NYC metro area
12:00pm	Lunch: Mentor-Hosted Tables	<i>School Lunchrooms, Lower Level</i>

Agenda: Thursday, October 3rd



1:30pm **Speed Talk Session: Species Conservation** *Kaufmann / Linder Theaters*

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

Alexandra Decandia <i>Princeton University</i>	Microbial diversity and its implications for disease in an endemic fox population
Michael Levin <i>Columbia University</i>	Altered Pantanal: drivers of ocelot density in a human dominated wetland
Akshit Suthar <i>Gujarat Ecology Society</i>	Smooth-coated otter of Gujarat: from brink to the extinction to population recovery
Miao Hu <i>Duke University</i>	Monitoring activity rhythms of <i>Martes flavigula</i> using camera traps in Sichuan, China
Brian O'Toole <i>Fordham University</i>	Reconstructing the genomic diversity of a Sub-Saharan bat using archival collections
Angela Lu Arellano <i>The Little Farm House at Holistic Education and Development Center</i>	Palawan spiny rat (<i>Maxomys panglima</i>) ecological niche

2:15pm **Speed Talk Session: Social Dimension in Conservation** *Kaufmann / Linder Theaters*

Session Chair: **Mark Birchette**, *Visiting Scientist, Center for Biodiversity and Conservation, American Museum of Natural History*

Natalia Piland <i>University of Chicago</i>	We think there's no nature in cities, but are interested in learning more
Ohene Boakye Adomako <i>Capacity for Sustainable Change-Ghana</i>	Dimensions of bat meat trade and consumption in Ghana
Jingjing Xu <i>Duke Kunshan University</i>	Illegal wildlife trade assisted by overseas tourism in Southeast Asia
Miranda Bernard <i>Arizona State University</i>	Perception of environmental well being in a small coastal fishing community
Xue Dong <i>State University of NY College of Environmental Science and Forestry</i>	Investigating the impact on visitors' environmental behavior using interpretive media
Melissa Cronin <i>University of California, Santa Cruz</i>	A global comparison of fisheries policies to reduce industrial elasmobranch bycatch

2:55pm **Speed Talk Discussion and Break** *Spitzer Hall of Human Origins*

3:30pm **Talk Session: Conservation in Marine Systems** *Kaufmann / Linder Theaters*

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

Alex Borowicz <i>Stony Brook University</i>	Augmenting fieldwork: finding whales from space in a new age of ecological data
Beryl Kahn <i>Columbia University</i>	A holistic approach to spatial variation and adaptation in Eastern oysters
John Bohorquez <i>Stony Brook University</i>	Categorizing global MPAs: a cluster analysis approach
Monique Sosnowski <i>John Jay College of Criminal Justice & The Graduate Center, CUNY</i>	Getting away with fish: an analysis of global transshipment activity

5:00pm **Award Ceremony and Closing Reception** *Cullman Hall of the Universe*

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

6:00pm-8:00pm **Special Evening Event** *Cullman Hall of the Universe*
Mack Lipkin Man and Nature Series Panel Discussion

Doors open at 6pm

In the spirit of collaboration: voices from ecology, the arts, and faith-led approaches to nature conservation

Panel begins at 6:30pm

With panelists:

- **Dekila Chungyalpa**, *Director, Loka Initiative*
- **Martín Mendez**, *Director, Southern Cone - Patagonia, Wildlife Conservation Society*
- **Madhur Anand**, *Poet & Professor, Global Ecological Change (GEC) & Sustainability Laboratory, School of Environmental Sciences, University of Guelph*

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

The Mack Lipkin Man and Nature Series was established in honor of Dr. Mack Lipkin, Sr., by his many friends and admirers. Dr. Lipkin was a physician who was a gentle and powerful force in advancing the most humane and caring practices of medicine.

Agenda: Friday, October 4th: Workshops



8:30am **Workshop Check-In** (coffee + tea available) *Grand Gallery*

9:00am–12:00pm **Workshop Session I** Led by:

Elevating Pitches: Networking for Science and Academia **Michael Levin** and **Sara Kross** (Columbia University)
Linder Theater, 1st Floor

Fundraising 101: Tools and Strategies to Raise Funds Through Grants and Scholarships **Kate Mastro** (Wildlife Conservation Society), **Christina Imrich** (Wildlife Conservation Society—Conservation Leadership Programme), **Jill Spear** (National Geographic Society), **Arslan Ahmad** (National Geographic Society)
Sackler Lab, 1st Floor

Making Decision Makers Save Biodiversity **David Johns** (Portland State University; Wildlands Network; Marine Conservation Institute)
Calder Lab, 2nd Floor

Species Distribution Modeling for Conservation in R and Wallace **Matthew Aiello-Lammens** (Pace University), **Peter Galante** (American Museum of Natural History), **Erica Johnson** (City College of New York), **Andrea Paz** (City College of New York), **Gonzalo E. Pinilla-Buitrago** (City College of New York)
RGGS Lab, 5th Floor

The Relationship Between Poetry and Science **Madhur Anand** (University of Guelph)
Room 319, 3rd Floor

What Am I Doing with My Life? Career Planning for the Modern Conservationist **Alex Moore**, **Mary Blair**, **Nadav Gazit** (American Museum of Natural History), **Alexandra Sutton Lawrence** (The Wilderness Society), **Rae Wynn-Grant** (National Geographic Society), **Christian Rivera** (University of Florida)
Kaufmann Theater, 1st Floor

12:00pm–12:45pm **Lunch Break** (on your own)

12:45pm–1:50pm **Behind-the-Scenes Museum Collection Tours** *Meet at Kaufmann Desk*

1:50pm **Workshop Check-In** *Kaufmann Desk*

2:00pm–5:00pm **Workshop Session II** Led by:

Population Genomics for Conservation Science **Stephen Gaughran** (Yale University; American Museum of Natural History), **Melina Giakoumis** (City University of New York; American Museum of Natural History)
Room 319, 3rd Floor

Principles and Practices of Conservation Bioacoustics **Dena Jane Clink**, **Michelle Elizabeth Fournet**, **Daniela Hedwig**, and **Shyam Kumar Madhusudhana** (Cornell University)
Sackler Lab, 1st Floor

Spatial Analysis Using R **Vijay Ramesh** (Columbia University)
Calder Lab, 2nd Floor

The Importance of Natural History Collections in Conservation Decision Making **Evon Hekkala** (American Museum of Natural History)
RGGS Lecture Hall, 5th Floor

Drones 101: An Introduction to Using Drones in Conservation Fieldwork **Darya Chernikhova** (Gotham Green Software)
Linder Theater, 1st Floor



Dekila Chungyalpa

Director, Loka Initiative

Building a Resilient Future; Where Science and Spirituality Converge

Over 80% of the world's human population subscribes to a faith. There are at least 2 billion Christians, 1.3 billion Muslims, 950 million Hindus and 500 million Buddhists worldwide. Nine out of 10 Americans believe in God and religiosity is measured to be even stronger in Africa, Asia and Latin America. Recent years have seen the emergence and impact of faith-led environmental and climate movements around the world which are a profoundly important strategy in addressing the root causes of biodiversity loss and climate change. The integration of spirituality with science allows these movements to apply the framework of resilience—ecological, sociological and psychological—to protect nature, to prepare their communities for climate impacts, to heal and to bounce back despite the many challenges they face. This talk will integrate examples of faith-led environmental and climate action with environmental science, philosophy, psychology, and traditional ecological knowledge to demonstrate how the intersection of faith and ecology lead to large scale attitude and behavior change.

Martín Mendez

Director, Southern Cone - Patagonia, Wildlife Conservation Society

Collaboration and Capacity Building for Conservation Impact: Lessons from Southern South America

Biodiversity conservation is a complex, multidimensional challenge that requires the best available evidence and tools for impactful on-the-ground action. The human dimension is at the core of such efforts, bridging the gap between the pressing environmental challenges and effective solutions. This talk will highlight some of the recent approaches and tools used to address current conservation issues in the Southern Cone of America. Through a discussion of his professional journey starting as a student of ecology and conservation carrying out original applied research, to helping design strategies for collaborative, regional conservation and for supporting the next generation of conservation practitioners, Dr. Mendez will illustrate how building on knowledge, evidence, and collaboration can help us to respond to a rapidly changing environmental landscape.



Seheno Andriantsaralaza

Lemur Conservation Network

Effect of red-fronted brown lemur gut passage on the germination of baobab species

Cecilia B. Barriga Bahamonde

George Mason University

Conflicting ecosystem services and frugivorous mammals in the Peruvian Amazon

Rupinder Bakhshi

Duke University

Understanding the dynamics of human-carnivore conflict in a global tiger hotspot

Mai Bernheim

University of Haifa

Male or female? Can we determine hatchlings' sex of reptiles absent sex chromosomes?

Devon Block-Funkhouser

Princeton University

Tree usage of Coquerel's sifaka in Mariarano village, Northwest Madagascar

Christian Bojorquez

Montclair State University

Effects of multiple stressors on sea urchin larvae

Alberto Borges

Catawba College

Athi River Expedition

Ren Cao

Duke University

Impacts of high-speed railways on forest cover change in China

Emily Casper

Fordham University

Feast or famine: assessing urban stopover resources for shorebirds in Jamaica Bay, NY

Rachel Chaffee

American Museum of Natural History

Staying in science: examining youth pathways in conservation/environmental science

Fu Hsiang Chih

Kingsborough Community College

The effect of eastern coyotes on raccoons on activity budgets in New York City

Anna Ducroiset

Woods Hole Oceanographic Institution

Roundup and increased ocean temperatures cause immunosuppression in dinoflagellates

Demey Everett

Augsburg University

Investigating ecological requirements of amphipods to inform wetland restoration

Kristie Falconer

Princeton University

Butterfly diversity within the habitat types of Krka National Park, Croatia

Anthony Garcia, Candace Landau

American Museum of Natural History Science

Research Mentoring Program

Detecting hybridization between coyotes and dogs in New York City

Tatiana Gladkikh

University of Vermont

Exploring the links between cultural values and stewardship through foraging

Darcey Glasser

Hunter College, CUNY

Observation at ecotourism site reveals opportunity for modes of pathogen transmission

Alexander Gottdiener

Princeton University

Valuing open space areas for bird species richness: what data matters and why

Yusif Habib

University of Lisbon & University of Padova

Mono-cropping rubber plantations in Ghana: the incessant threat to biodiversity

Jason Hagani

Columbia University

Home ranges of wood turtles and using rarefaction to improve tracking study design

Liz Hurtado

University of Florida

Linking endemic bird conservation and participatory approaches in the Peruvian Andes

Nourhan Ibrahim

Princeton University

Secondary school conservation biology education in Laikipia County, Kenya

Emily Jager

Columbia University

The impact of wildfires on soil nutrients over time in temperate rainforests of Chile

Aljuwan Jeffers

Pace University

The challenge of building a livelihood in a Caribbean coastal community

Sarika Khanwilkar

Columbia University

Cooking fuel in the Central Indian Highlands landscape

Karissa Lowe

Princeton University

Osmia lignaria as strawberry pollinators in vertical farms

Dhawal Mehta

Wildlife Institute of India

Abundance and distribution of the four-horned antelope in Gir Protected Area

Sarah Milligan

Imperial College London

Determining the conditions for the spread of conservancies in Namibia

Cole Morokhovich

Princeton University

The effects of climate change on broad-tailed hummingbird pollination behavior in the Rocky Mountains

Patrick O'Shea

Stonehill College

Using convex hulls to identify outliers in population distribution models

Tatianna Peralta

Manhattan College

Determination of heavy metals in Tibbetts Brook

Jhazel Quispe

Asociacion para la Ciencia y ed Desarrollo

Ambiental, Natural Way

First Peruvian experience of involving local communities at Titicaca water frog (*Telmatobius culeus*) research, achieving initiatives of long-term conservation

Nicole Rowe Whyte

Woods Hole Oceanographic Institution

Lipidome changes in coral symbionts exposed to elevated thermal and chemical stress

Marie Laure Rurangwa

University of Oxford

The effects of land-use change on bird communities in a Rwandan montane rainforest

Kimberly Samson

University of the South Pacific

Identifying the aquaculture potential of an endemic Fijian fish species

Umer Hameed Shansaz

University of Kashmir

Status and conservation issues of some Pheasants in Dachigam NP, Kashmir Himalayas

Kayla Sheeger

American Museum of Natural History Science

Research Mentoring Program

Enyalius: good places to live, and not so good places to live

**Daniel Sinopili**

State University of NY, College of Environmental Science and Forestry
Morphological variation of extant bowfins in the Mississippi River Basin

Bintou Sow

Promise Academy II High School
Invisible big city life revealed: microbiomes of NYC coyotes

Maria Stahl

Princeton University
The role of fire in maintaining herbivore diversity in an African savanna

Edward Tekwa

Rutgers University
Theories and tests for path-dependence in conservation behaviour

Liju Thomas

Kerala University of Fisheries and Ocean Studies
Biogeography of chitons from the Indian Ocean and its implications for conservation

Sarah Trabue

Columbia University
The prevalence of skin lesions on bottlenose dolphins in the New York Bight

Frédérique Truchon

McGill University
Effect of hiker presence on white-tailed deer spatial use patterns and impacts

Theodore Vincent

University of Georgia
Examining the development of marine oil aggregations in oil spills

Brandon Wong

American Museum of Natural History
Effectiveness of protected forest regions in Madagascar

Yisi Zhu

American Museum of Natural History Science Research Mentoring Program
The Bronx: Coyote Country



SCCS–NY Advisors, Reviewers, Mentors

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Madhur Anand

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Mark Birchette

American Museum of Natural History

Mary Blair

American Museum of Natural History

Adriana Bravo

University of Toronto

Anthony Caragiulo

American Museum of Natural History

Samantha Cheng

American Museum of Natural History

Catherine Christen

Smithsonian Conservation Commons

John Cigliano

Cedar Crest College

Dekila Chungyalpa

University of Wisconsin

Christina Colon

Kingsborough Community College

Tara Cornelisse

Center for Biological Diversity

Georgina Cullman

NYC Department of Parks and Recreation

Kristin Douglas

American Museum of Natural History

Leo Douglas

New York University

Diego Ellis Soto

Yale School of Forestry and Environmental Studies

Wendy Erb

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American Museum of Natural History

Joshua Fisher

Columbia University

Nick Friedenber

Applied Biomathematics

Peter Galante

American Museum of Natural History

Nadav Gazit

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American Museum of Natural History

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Princeton University

Kimberly Russell

Rutgers University

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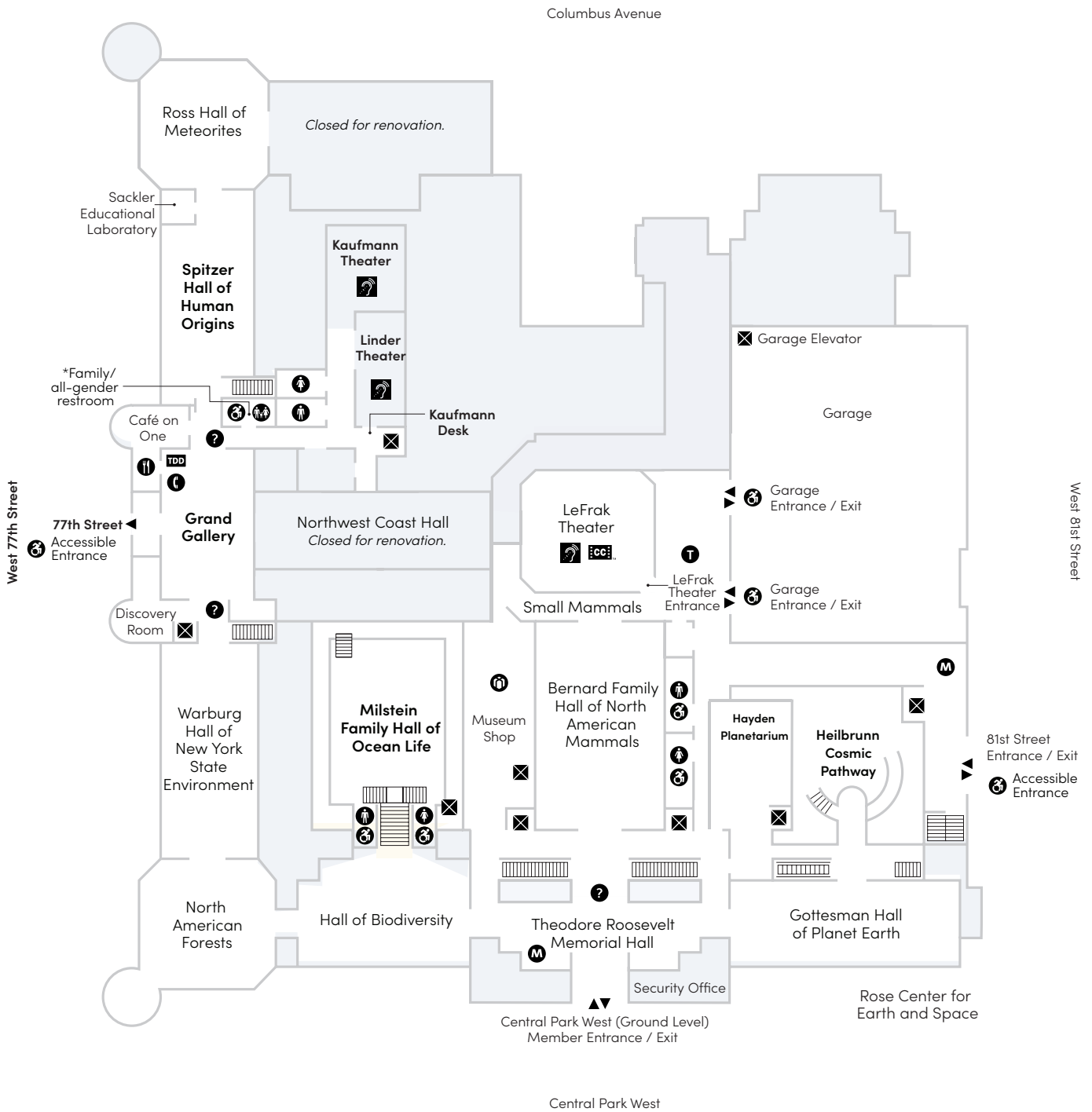
Rutgers University

Claudia Wultsch

American Museum of Natural History

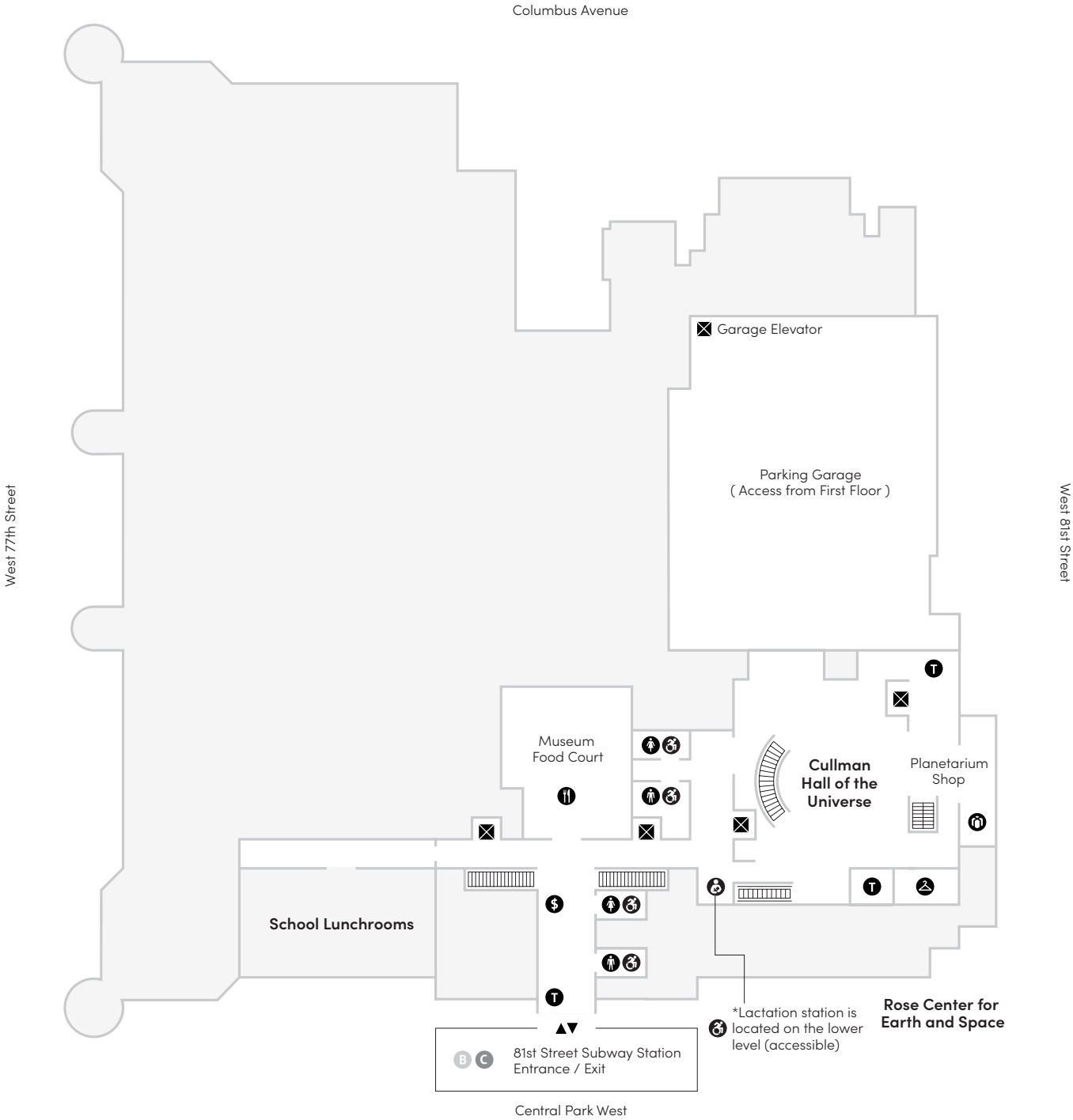


First Floor



Note: not all workshop locations are represented.

Lower Level





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.