October 7-9, 2020, American Museum of Natural History

Major funding for the 2020 Student Conference on Conservation Science – New York (SCCS-NY) has been provided by Marshall M. Weinberg. In grateful recognition of his longstanding generosity toward the Center for Biodiversity and Conservation, this year’s SCCS-NY is presented in his honor.

The Conference is organized by the Center for Biodiversity and Conservation at the American Museum of Natural History.

Conference Partners:

Yale School of the Environment

Conference Contributors:
Pace University

Conference Prize Contributors:
Yale University Press
Society for Conservation Biology
Western EcoSystems Technology, Inc.
# Table of Contents

- Acknowledgments .............................................................................................................. 4
- General Information .......................................................................................................... 5
- Code of Conduct ............................................................................................................... 6
- Conference Agenda .......................................................................................................... 8
- Plenarists .......................................................................................................................... 15
- Guide to Posters ............................................................................................................... 16
- Advisers, Reviewers, and Mentors .................................................................................. 18

Full presentation abstracts are available on the SCCS-NY website: [www.amnh.org/sccsny](http://www.amnh.org/sccsny)

Follow us on Facebook! [facebook.com/CBC.AMNH](http://facebook.com/CBC.AMNH)

Join the conversation on Twitter! [#sccsny2020](https://twitter.com/sccsny2020)

Follow us on Twitter! [@CBC_AMNH](https://twitter.com/CBC_AMNH)
October 7-9, 2020, American Museum of Natural History

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 Marshall M. Weinberg Student Conference on Conservation Science–New York 2020 (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 2020 is organized by the American Museum of Natural History’s Center for Biodiversity and Conservation (CBC).

SCCS-NY Content and Logistics Coordination: Felicity Arengo, Kristin Douglas, Nadav Gazit, Margaret Law, Ana Luz Porzecanski, Eleanor Sterling

Technology Coordinators: Pete Ersts, AMNH IT Support Team

Program Design: Nadav Gazit

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

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 written and oral communication. 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.
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, whether in virtual or physical spaces, 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. All forms of communication among SCCS-NY 2020 participants during the meeting are considered within the scope of the conference, and thus fall under the jurisdiction of the Code of Conduct. These include public and private communications in virtual conference rooms, via electronic chat functions (e.g., Q/A box, Zoom Chat), emails, texts, social media, phone calls, and other forms of written, verbal, and non-verbal (including visual) communication.

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 our own.
- Be respectful in your critique of ideas.
- Consider your surroundings and computer screen contents when sharing your screen or appearing in live or pre-recorded videos to prevent the appearance of sensitive personal information, inappropriate background images, or disruptive content. This does not apply to unplanned cameo appearances by pets and children.
- 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.
- Respect the rules and policies of all venues and online platforms associated with the meeting.

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 or unwelcome sexual attention, are not permitted at the conference and may not be incorporated into the visuals or presentations.
- Violating the rules and regulations of the online platforms and services.
- 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 disruption of virtual meetings, 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.
Code of Conduct

Consequences

- Anyone requested to stop unacceptable behavior is expected to comply immediately.
- CBC staff (or their designees) 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 listed in the program by email or phone. Screenshots or any evidence of the concern is helpful but not required.

- Call 212-496-3431
- Email sccs@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 Title IX officers in Human Resources: Benjamin Marzolf, Title IX Coordinator / Equal Opportunity Specialist: 212-769-5316, bmarzolf@amnh.org
Agenda: Wednesday, October 7th

10:30am  Welcome and Introduction
Felicity Arengo, Associate Director, Center for Biodiversity and Conservation, American Museum of Natural History

10:45am  Plenary Address
Conservation in the time of COVID-19: linking biodiversity conservation and human health
Kevin J. Olival, Vice President for Research, EcoHealth Alliance, New York

11:30am  Break

11:45am  Talk Session: Legal and ethical issues in conservation
Session Chair: Sam Cheng, Biodiversity Scientist, Center for Biodiversity and Conservation, American Museum of Natural History

<table>
<thead>
<tr>
<th>Anna LoPresti</th>
<th>Managed retreat as a conservation strategy in US communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columbia University, New York, NY, USA</td>
<td></td>
</tr>
</tbody>
</table>

| Bethlehem Astella, Kelly Jones, Jennifer Solomon, Kathleen Galvin, Paul Evangelista | Shades of Justice in community conservation in Ethiopia |
| Colorado State University, Fort Collins, CO, USA |

| Monique Sosnowski\(^1\), Gohar Petrossian\(^1\), Yuna Kim\(^1\), Marcus Asner\(^2\) | Patterns in the Federal Prosecution of Wildlife Crimes |
| \(^1\)John Jay College of Criminal Justice, New York, NY, USA; \(^2\)Arnold & Porter, New York, NY, USA |

| Bofan Ji\(^1\), Mingyang Xu\(^2\), Ruoyu Xu\(^3\), Yu Xue\(^4\) | From hunting to poaching: unveiling the diversity of wildlife crime in China |
| \(^1\)Princeton University, Princeton, NJ, USA; \(^2\)Cornell University, Ithaca, NY, USA; \(^3\)Beijing No.4 High School, Beijing, China; \(^4\)Nanjing Foreign Language School, Nanjing, Jiangsu, China |

12:45pm  Live Talk Session Q&A

1:05pm  Break

1:15pm  Mentor-Hosted Tables

2:00pm  Break
2:10pm  **Speed Talk Session: Policy and social science**

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

<table>
<thead>
<tr>
<th>John Bohorquez, Anthony Varskas, Ellen Pikitch, John Bohorquez, Anthony Varskas, Ellen Pikitch</th>
<th>Financial sustainability of Marine Protected Areas in Latin America and the Caribbean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stony Brook University, Stony Brook, NY, USA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alli Cutting, Luca Marsaglia, Manuel Cortez, Rashid Sumaila, Terre Satterfield</th>
<th>Incidentally undermined: an ecological and economic case for bycatch reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of British Columbia, Vancouver, BC, Canada</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sarika Khanwilkar1,2, Monique Sosnowski3</th>
<th>A decade of illegal and legal imports of tigers and tiger products into the US</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Wild Tiger, San Antonio, TX, USA</td>
<td></td>
</tr>
<tr>
<td>2Columbia University, New York City, NY, USA</td>
<td></td>
</tr>
<tr>
<td>3John Jay College of Criminal Justice, New York City, NY, USA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shiva Saravanan1, Mark P. Hampton2</th>
<th>A global study of motivations for poaching</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Dakshin Foundation, Sahakar Nagar, Bengaluru, India; 2University of Kent, Canterbury, UK</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Karen Dietrich1, Richard Schuster12, Ian Curtis3, Oscar Venter1</th>
<th>Scale and Extent Impact Equity and Efficiency in Systematic Conservation Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1University of Northern British Columbia, Prince George, BC, Canada; 2Carleton University, Ottawa, ON, Canada; 3Ministry of Forests, Lands, Natural Resource Operations and Rural Development, Fort St. John, BC, Canada</td>
<td></td>
</tr>
</tbody>
</table>

2:50pm  **Speed talk group Q&A**

3:20pm  **Break**

3:30pm  **Virtual poster session A**

4:00pm  **Virtual poster session B**

4:30pm  **Adjourn**
### Agenda: Thursday, October 8th

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30am</td>
<td><strong>Welcome and Introduction</strong></td>
</tr>
<tr>
<td></td>
<td>Ana Luz Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History</td>
</tr>
<tr>
<td>10:45am</td>
<td><strong>Plenary Address</strong></td>
</tr>
<tr>
<td></td>
<td>Expanding your leadership in an ever-changing world</td>
</tr>
<tr>
<td></td>
<td>Dan Canham, leadership development expert</td>
</tr>
<tr>
<td>11:30am</td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>12:00pm</td>
<td><strong>Talk Session: Habitat management, recovery and restoration</strong></td>
</tr>
<tr>
<td></td>
<td>Session Chair: Pete Galante, Biodiversity Informatics Scientist, Center for Biodiversity and Conservation, American Museum of Natural History</td>
</tr>
<tr>
<td></td>
<td><strong>Rafid Shidqi</strong>&lt;sup&gt;1,2&lt;/sup&gt;, Dewi Ratna Sari&lt;sup&gt;1&lt;/sup&gt;, Agustin Capriati&lt;sup&gt;1&lt;/sup&gt;, Eka Maya Kurniasih&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>&lt;sup&gt;1&lt;/sup&gt;Thresher Shark Project Indonesia, Alor, East Nusa Tenggara, Indonesia; &lt;sup&gt;2&lt;/sup&gt;University of California, Santa Cruz, Santa Cruz, CA, USA</td>
</tr>
<tr>
<td></td>
<td>Finding solutions for pelagic thresher shark conservation in Alor Island, Indonesia</td>
</tr>
<tr>
<td></td>
<td><strong>Christina Langford</strong>, Melissa Cronin, Katherine Seto, Don Croll</td>
</tr>
<tr>
<td></td>
<td>University of California, Santa Cruz, Santa Cruz, CA, USA</td>
</tr>
<tr>
<td></td>
<td>Tackling sea turtle bycatch through tRFMO policy</td>
</tr>
<tr>
<td></td>
<td><strong>Prakash Mardaraj</strong>&lt;sup&gt;1&lt;/sup&gt;, Janmajey Sethy&lt;sup&gt;1&lt;/sup&gt;, Mark Fellowes&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>&lt;sup&gt;1&lt;/sup&gt;Amity University, Guatam Budhh Nagar, Noida, Uttar Pradesh, India; &lt;sup&gt;2&lt;/sup&gt;University of Reading, Whiteknights, Reading, UK</td>
</tr>
<tr>
<td></td>
<td>From antagonism to conservation: towards community-centered sloth bear conservation</td>
</tr>
<tr>
<td>12:45pm</td>
<td><strong>Live Talk Session Q&amp;A</strong></td>
</tr>
<tr>
<td>1:05pm</td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>1:15pm</td>
<td><strong>Mentor-Hosted Tables</strong></td>
</tr>
<tr>
<td>2:00pm</td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>2:15pm</td>
<td>Speed Talk Session: Species conservation</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>2:50pm</td>
<td>Speed talk group Q&amp;A</td>
</tr>
<tr>
<td>3:20pm</td>
<td>Break</td>
</tr>
<tr>
<td>3:30pm</td>
<td>Virtual poster session C</td>
</tr>
<tr>
<td>4:00pm</td>
<td>Virtual poster session D</td>
</tr>
<tr>
<td>4:30pm</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>
Agenda: Friday, October 9th

10:30am  Panel discussion

11:15am  Panel Q&A

11:35am  Break

12:00am  Talk Session: Approaches to wildlife conservation
  Session Chair: Alex Moore, NSF Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History

  Dincy Mariyam1,2, Yashodha3, Mahi Puri1,4, Abishek Harihar5, Krithi Karanth1,6
  1Centre for Wildlife Studies, Bengaluru, India; 2Manipal Academy of Higher Education, Manipal, India; 3International Rice Research Institute (Odisha), Bhubaneshwar, India; 4University of Florida, Gainesville, FL, USA; 5Panthera, New York, NY, USA; 6Duke University, Durham, NC, USA

  Harshini Jhala1,2, Qamar Qureshi2, Simon Black1
  1University of Kent, Canterbury, UK; 2Wildlife Institute of India, Chandrabani, Dehradun, Uttarakhand, India

  Michele Fernandes da Silva1, Mariana Vargas Cruz1, João de Deus Vidal Júnior1, Gustavo Maruyama Mori2, Maria Imaculada Zucchi3, Anete Pereira de Souza1
  1University of Campinas, Campinas, São Paulo, Brazil; 2São Paulo State University, São Vicente, São Paulo, Brazil; 3São Paulo Agency for Agribusiness Technology, Piracicaba, São Paulo, Brazil

  Incentivizing land restoration around Bandipur and Nagarahole Tiger Reserve

  Assessing potential to reintroduce grassland megaherbivores across historic range

  Geographic and environmental contributions to genomic divergence in mangrove forests

12:45pm  Live Talk Session Q&A

1:05pm  Break
## Agenda: Friday, October 9th

### 1:15pm  
**Speed Talk Session: Species conservation**

**Session Chair:** Mark Weckel, Assistant Director; Youth Initiatives & Affiliated Scientist, Center for Biodiversity and Conservation, American Museum of Natural History

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Jennifer Zhu</strong>¹², J. Stephen Gosnell¹²¹</td>
<td>Ribbed mussels still feed and biodeposit despite presence of predators and alarm cues</td>
</tr>
<tr>
<td><strong>Juan Diego del Castillo¹</strong>, Haydee Cerrón², Cecilia Janampa², Trinidad Pérez², Juana Ccama²</td>
<td>Community-based conservation of the peri-urban ecosystem ‘Lomas de Amancaes’</td>
</tr>
<tr>
<td><strong>Amanda Vilchez</strong></td>
<td>Citizen science in Peru: bioblitz as a useful tool of promotion</td>
</tr>
<tr>
<td><strong>Jiaxin Xu</strong>¹², Willow Coleman¹³, Kyra Madunich¹⁴, Nhi Phan¹⁵</td>
<td>Urban trees as bio-filters in Kyoto, Japan</td>
</tr>
<tr>
<td><strong>Sarah Davis</strong>¹²</td>
<td>Mapping microplastics: a citizen science initiative</td>
</tr>
<tr>
<td><strong>Rachel Turba</strong>, Heather Milne², Miguel Onate³, Beth Shapiro⁴, David Jacobs¹</td>
<td>Use of museum material to reconstruct the extirpated fauna of the Los Angeles River</td>
</tr>
</tbody>
</table>

### 1:50pm  
**Speed talk group Q&A**

### 2:20pm  
**Break**

### 2:30pm  
**Workshops**

### 4:00pm  
**Break**

### 4:15pm  
**Awards and closing remarks**

### 4:30pm  
**Adjourn**
### Workshops

<table>
<thead>
<tr>
<th>Title</th>
<th>Speakers/Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapting to Change in the Field: Tips and Advice from Conservationists</td>
<td>Arslan Ahmad, *Early Career Grants - National Geographic Society; Jill Spear, Conservation &amp; Research Grants - National Geographic Society; Kate Mastro, Graduate Scholarship Program - Wildlife Conservation Society</td>
</tr>
<tr>
<td>From the Modern to Millennia: Temporal Techniques for the Conservation Biologist’s Toolkit</td>
<td>Alexis Mychajliw, *Laboratories of Molecular Anthropology &amp; Microbiome Research, University of Oklahoma; Mairin Balisi and Libby Ellwood, Department of Rancho La Brea, Natural History Museum of Los Angeles County; Jessie George, Department of Geography, University of California, Los Angeles</td>
</tr>
<tr>
<td>Honing Skills to Fundraise for Conservation Projects</td>
<td>Stuart Paterson, Kate Tointon, and Henry Rees, *CLP-Fauna &amp; Flora International; Christina Imrich and Leala Rosen, CLP-Wildlife Conservation Society; Sherilyn Bos, CLP-BirdLife International</td>
</tr>
<tr>
<td>Making Decision Makers Do the Right Thing</td>
<td>David Johns, <em>Portland State University</em></td>
</tr>
<tr>
<td>Species Distribution Modeling for Conservation in R and Wallace</td>
<td>Matthew Aiello-Lammens, *Pace University; Pete Galante, American Museum of Natural History; Erica Johnson, Andrea Paz, and Gonzalo Pinilla-Buitrago, <em>City College of New York, CUNY</em></td>
</tr>
<tr>
<td>Trends in Space Use, Movement and Management of Herpetofauna Metapopulations</td>
<td>Muhammad Rais, *Wildlife Management, Arid Agriculture University Rawalpindi, Pakistan; Conservation Planning Specialist Group, Species Survival Commission, Commission on Ecosystem Management; Herpetologists’ league, USA; Zoological Society of Pakistan</td>
</tr>
<tr>
<td>What Am I Doing with My Life? Career Planning for Conservation Researchers and Practitioners</td>
<td>Alex Moore, Mary Blair, Nadav Gazit, and Eleanor Sterling, <em>American Museum of Natural History; Christian Rivera, University of Florida</em></td>
</tr>
</tbody>
</table>
Kevin J. Olival
Vice President for Research, EcoHealth Alliance, New York

Conservation in the time of COVID-19: linking biodiversity conservation and human health

The COVID-19 pandemic has destroyed families, societies, and economies around the world and led to >1M deaths. Yet, SARS-CoV-2 is just one of many pathogens to have recently “spilled over” from wildlife to people, and these emerging infectious disease events are increasing in frequency with roughly ~2-3 new diseases each year. Why and how are new diseases emerging? The answer is simple (even if the process may be complex): increasing, anthropogenic ecological changes (e.g. deforestation, wildlife trade, climate change) are providing growing opportunities for human-wildlife interactions and viral spillover. This talk will address how biological conservation and virus surveillance and pandemic prevention research are entirely synergistic, and should not be viewed as opposing. The relatively new, multidisciplinary field of One Health research is advancing rapidly – linking ecologists, conservation biologists, virologists, veterinarians, molecular biologists, and public health scientists in new and exciting ways to understand threats to wildlife and human populations. The COVID-19 pandemic has simultaneously provided challenges to on-the-ground conservation research, and opportunities to improve public awareness of the global ecological crisis and its linkages with human health. Dr. Olival will address these issues by charting his own personal career path and research experience.

Dan Canham
Leadership development expert

Expanding your leadership in an ever-changing world

The pace of change in the world is incredible. As the earth’s population expands and wealth in some areas increases, so do the demands on natural resources. These challenges are complex, interwoven and often, unknown. Those who step into the realm of conservation are fighting a difficult fight, but not an impossible one. These new conservation challenges require new approaches to leadership. One that is adaptive and experimental. One that embraces risk and is willing to fail in the pursuit of success. During the talk, we will discuss reframing what leadership is, and how to develop the new skills and ideas needed to expand your adaptive leadership capacity. We will also discuss each person’s greatest resource...themselves. Each of us has tremendous unused capacity. Understanding how to unleash our potential is critical to developing our leadership capacity and make an impact on conservation. Finally, we have to engage and empower others. We need to engage different groups, including those who don’t agree with conservation’s goals. Without others, it becomes nearly impossible to progress on conservation’s biggest challenges. Dan Canham will share his leadership journey and personal insights on overcoming challenges, embracing change, and keeping a positive attitude throughout it all.
### Guide to Posters (in alphabetical order by presenter’s last name)

#### Session A

**Connor Anderson**  
*Rutgers University*  
Habitat selection in Eastern Fence Lizards

**Allan Baino**  
*University of Glasgow-IBAHCM*  
Using stable isotopes to estimate diet composition in Gyps vultures

**Chase Ballas**  
*Columbia University*  
Landscape Changes in the New Jersey Pine Barrens from historic human use

**Michael Bieganek**  
*Augsburg University*  
Effects of fish communities on freshwater amphipod stocking success in Minnesota, USA

**Sienna Byrne**  
*Princeton University*  
Collaboration, Hawaiian cultural values, and coastal conservation in North Kohala

**Mariya Chechina**  
*TropicForest Inc.*  
Designing mixed-species native tree reforestation trials in the Philippines

**Irene Cooper**  
*Thomas Jefferson University*  
Novel invasive plant management for restoration using commercial textile applications

**Urvi Dave**  
*Sardar Patel University*  
Assessing basking behaviors of marsh crocodiles in Charotar region, Gujarat, India

**Jyotish Ranjan Deka**  
*Wildlife Institute of India*  
Indian leopard: adaptation and conservation issues around Guwahati City in Assam

#### Session B

**Dana DeSousa**  
*Pace University*  
Baby Boom: over 200,000 Hatchlings Released as a result of Nest Relocation at SPNWR

**Debbie Einhorn**  
*CUNY- City College of New York*  
Green burial in NYC

**Natalia Erazo**  
* Scripps Institution of Oceanography*  
Understanding the diversity and functionality of mangrove forest root microbiome

**Jose Esparza**  
* Public Sensors*  
Fostering community science through student-built environmental sensor

**Marissa Garcia**  
*Harvard University*  
North Atlantic Right Whale population dynamics: a comparison of survey techniques

**Courtni Holness**  
*CUNY-City College of New York*  
Distribution modeling of Mexican montane forests and response to land use change

**Laurel Hopkins**  
*Oregon State University*  
Improving species distribution models with “deep” habitat covariates

**Bethany Johnson**  
*CUNY-City College of New York*  
Current and future geographic distribution of a threatened cloud forest mammal

**Jeannie Johnson**  
*University of California, Santa Cruz*  
Best practices for mobulid bycatch reduction in fisheries

**Shantanu Joshi**  
*Tata Institute of Fundamental Research-National Centre for Biological Sciences*  
Ontogenic colour change and mating in the damselfly *Agriocnemis pygmaea*
**Session C**

**Kimberly Louisor**  
*CUNY-Hunter College*  
Optimizing genotyping protocol of the Purple Faced Langur

**Rose Chinly Mae Ortega**  
*Mindanao State University*  
Analysis of bacteria in *Hippocampus barbouri*: A call for seahorse conservation

**Taylor Machette**  
*Princeton University*  
The potential functions of synchronous diving in short-finned pilot whales

**Desiree Pante**  
*University of California, Santa Cruz*  
Reproductive success of L. argenteus in different aspects of the White Mountains

**Soham Pattekar**  
*WWF-India*  
Fine-scale habitat use of Dholes in Western ghats using camera traps

**Allison Payne**  
*San Francisco State University*  
Humpback whale entanglement rates off the central Californian Coast

**Rindra Ramananjatovo**  
*University of Antananarivo*  
The role of species-based approaches in Malagasy endangered rosewood conservation

**Krishnanunni Mavinkal Ravindran**  
*University of Copenhagen*  
Exploring the market potential of Shea caterpillars in northeast Ghana

**Session D**

**Freya Rowland**  
*Yale University*  
Synchrony, density dependence, and persistence in amphibian populations

**Amanda Smolinski**  
*Idaho State University*  
Neutrons for conservation: neutron radiography analysis of siliceous marine sponges

**Kimberly Snyder**  
*Antioch University New England*  
Amphibian species richness and distribution in vernal pools at Glover's Ledge, Nj

**Kamakshi Tanwar**  
*Wildlife Institute of India*  
Aspects of species ecology studied from two different motion sensitive camera setups

**Mah Tarke**  
*Pan African Institute for Development West Africa*  
Wildlife habitat connectivity: prospects and challenges, Cameroon

**Margaret Thurston**  
*Cornell Cooperative Extension of Monroe County*  
Forests of Concepcion: deforestation, forest degradation, and conservation in Bolivia

**Adriane Tobias**  
*University of the Philippines, Los Banos*  
Conservation status of Rafflesia in the Philippines: An IUCN Red List Assessment

**Sateesh Venkatesh**  
*CUNY-Hunter College*  
Linking personality traits to crop raiding behavior in semi-captive Myanmar Elephants

**Mingang Xu**  
*Cornell University*  
More than food consumption: delineating wildlife utilization industry in China

**Melissa Zarate**  
*Boston University*  
Predicting habitat of a critically endangered monkey in the tropical Andes of Peru

**Karla Alvarado**  
*University of South Florida*  
Using RMBL's archival herbarium records to survey patterns in vegetation change
Special thanks are due to all those who have given so generously of their time and talents to advise, review, and mentor. They include:

**SCCS-NY Advisors, Reviewers, Mentors**

Arslan Ahmad  
*National Geographic Society*

Matthew Aiello-Lammens  
*Pace University*

Dan Ardia  
*Franklin & Marshall College*

Felicity Arengo  
*American Museum of Natural History*

Sylvia Atsalis  
*Fulbright Scholar & Founder of Professional Development for Good*

Novem Auyeung  
*NYC Department of Parks and Recreation*

Daniel Baldassarre  
*The State University of New York Oswego*

Erin Betley  
*American Museum of Natural History*

Mary Blair  
*American Museum of Natural History*

Abraham Borker  
*UC Santa Cruz*

Anthony Caragiulo  
*American Museum of Natural History*

Samantha Cheng  
*American Museum of Natural History*

Catherine Christen  
*Smithsonian Conservation Commons*

John Cigliano  
*Cedar Crest College*

Christina Colon  
*Kingsborough Community College*

Sunny Corrao  
*NYC Department of Parks and Recreation*

Drew Cronin  
*North Carolina Zoo*

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 the Environment*

Peter Ersts  
*American Museum of Natural History*

Nick Friedenberg  
*Applied Biomathematics*

Peter Galante  
*American Museum of Natural History*

Nadav Gazit  
*American Museum of Natural History*

Anthony Giordano  
*SPECIES*

James Gibbs  
*The State University of New York College of Environmental Science and Forestry*

Steven Gray  
*Michigan State University*

Martha Groom  
*University of Washington*

Evon Hekkala  
*Fordham University; American Museum of Natural History*

Kate Holmes  
*Wildlife Conservation Society*
<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ned Horning</td>
<td>American Museum of Natural History</td>
</tr>
<tr>
<td>Martha Hurley</td>
<td>Global Wildlife Conservation</td>
</tr>
<tr>
<td>David Johns</td>
<td>Portland State University, Marine Conservation Institute; Wildlands Network</td>
</tr>
<tr>
<td>Francine Kershaw</td>
<td>Natural Resources Defense Council</td>
</tr>
<tr>
<td>Sara Kross</td>
<td>Columbia University</td>
</tr>
<tr>
<td>Kimberly Landrigan</td>
<td>American Museum of Natural History</td>
</tr>
<tr>
<td>Jenna Lawrence</td>
<td>Columbia University</td>
</tr>
<tr>
<td>Suzanne Macey</td>
<td>American Museum of Natural History</td>
</tr>
<tr>
<td>Alex Moore</td>
<td>American Museum of Natural History</td>
</tr>
<tr>
<td>Eugenia Naro-Maciel</td>
<td>New York University</td>
</tr>
<tr>
<td>Matt Palmer</td>
<td>Columbia University</td>
</tr>
<tr>
<td>Ana Luz Porzecanski</td>
<td>American Museum of Natural History</td>
</tr>
<tr>
<td>Simon Queenborough</td>
<td>Yale School of the Environment</td>
</tr>
<tr>
<td>Anne Ricculli</td>
<td>Drew University</td>
</tr>
<tr>
<td>Dan Rubenstein</td>
<td>Princeton University</td>
</tr>
<tr>
<td>Manette Sandor</td>
<td>Columbia University</td>
</tr>
</tbody>
</table>
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.