Student Conference on Conservation Science - New York

October 8 - 11, 2013
The Center for Biodiversity and Conservation is grateful to the Edgar M. Cullman, Jr. Family and Vivian H. Donnelley, Strachan Donnelley Family Charitable Lead Unitrust for their generous support of this conference.

Conference participation of students in the Museum’s Science Research Mentoring Program is supported by the Doris Duke Charitable Foundation.
Acknowledgements

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

SCCS-New York is a sister conference to the highly successful SCCS-Cambridge, begun in 2000 by the University of Cambridge, as well as SCCS-Bangalore, SCCS-Australia, and SCCS-Beijing.

The Student Conference on Conservation Science-New York 2013 (SCCS-NY) is sponsored by the American Museum of Natural History’s Center for Biodiversity and Conservation in partnership with the Yale University School of Forestry and Environmental Studies, State University of New York College of Environmental Science and Forestry, Princeton University, Earth Institute at Columbia University, and University of Cambridge. Collaborating institutions include Audubon Society, Bard College, Barnard College, City University of New York, Clarkson University, Columbia University, CUNY City College, CUNY College of Staten Island, Fordham University, Hebrew University of Jerusalem, Hofstra University, Rutgers University, Scenic Hudson, Stanford University, State University of New York College of Environmental Science and Forestry, University College of London, University of Connecticut, University of Hawai’i at Manoa, University of Maine, University of Miami, University of Washington-Bothell, and Wildlife Conservation Society.

In conjunction with SCCS-NY, the American Museum of Natural History is proud to host the Mack Lipkin Man and Nature Series panel discussion, and Questions for a Resilient Future, co-presented by the Center for Humans and Nature.

For their significant role in shaping the form and content of this conference, we especially wish to acknowledge SCCS-NY’s many advisors, reviewers, and mentors, who are named in the back of this program.

SCCS-NY Content Coordinators:
Ana Luz Porzecanski
Felicity Arengo
Eleanor J. Sterling

Symposium Logistics Coordinator:
Robin C. Gold

Logistics Support:
Fiona Bayly
Kristin Douglas

Technology Coordinators:
Pete Ersts
Tony Alexander
Ho-Ling Poon

Registration Coordinator:
Margaret Law

Program Design:
Robin C. Gold
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.

Only official, AMNH-contracted vendors and working journalists with approved press credentials will be permitted to photograph, film, audio tape, or publish written content about the conference sessions and special events/receptions.

Individuals filming or photographing with personal video/audio equipment or other recording devices (mobile phones, digital or film cameras, tape recorders) without prior permission from the Center for Biodiversity and Conservation or the American Museum of Natural History, or without proper credentials, will be asked to cease recording or using these devices immediately.

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.

If you will be using social media during the conference (Twitter, Tumblr, Facebook, Google+, personal blogs) 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.

Please keep in mind that our speakers and presenters have invested considerable time and effort in the development of their material and copyright laws apply.

WIRELESS INTERNET ACCESS:
Please follow these steps to access the AMNH-PUBLIC-WIFI network:
1. Open the menu of wireless networks on your device.
2. Select AMNH-PUBLIC-WIFI from the networks presented and connect.
3. Your wireless device should automatically present you with a web page asking you to accept the terms and conditions for the use of AMNH-PUBLIC-WIFI. Click on the “accept” button at the top right of the screen to complete your connection.
4. If the Terms and Conditions page is not automatically presented by your system, open you web browser and attempt to connect to a web page. Your browser will be redirected to the Terms and Conditions page. Click on the “accept” button at the top right of the screen to complete your connection.
3:00 pm - 5:00 pm

QUESTIONS FOR A RESILIENT FUTURE
Hosted by the Center for Humans and Nature and the American Museum of Natural History
Kaufmann Theater, 1st Floor

Introductions and welcome by Eleanor J. Sterling, Director, Center for Biodiversity and Conservation, American Museum of Natural History and Ceara Donnelly, Center for Humans and Nature

What does Earth ask of us?
Robin Kimmerer, Distinguished Teaching Professor of Biology, State University of New York College of Environmental Science and Forestry

Can democracy in crisis deal with the climate crisis?
Carol Gould, Distinguished Professor of Philosophy and Political Science, CUNY

How is nature critical to a 21st century urban ethic?
Julianne Lutz Warren, Master Teacher, New York University

What does Earth ask of us?
Kathleen Dean Moore, Distinguished Professor of Philosophy, Oregon State University

Presentations will be followed by a panel discussion with all four speakers, moderated by Brooke Hecht, President, Center for Humans and Nature
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Breakfast and Registration (Grand Gallery, 77th Street Lobby)</td>
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<tr>
<td>9:00 am</td>
<td>Welcome and Introduction</td>
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<td>(Kaufmann / Linder Theaters)</td>
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<td>9:00 am</td>
<td>John Flynn, Dean, Richard Gilder Graduate School at the American Museum of Natural History</td>
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<td>9:15 am</td>
<td>Eleanor J. Sterling, Director, Center for Biodiversity and Conservation, American Museum of Natural History</td>
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<tr>
<td>9:15 am</td>
<td>Plenary Address: David K. Skelly</td>
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<td></td>
<td>Professor of Ecology and Associate Dean for Research, Yale School of Forestry and Environmental Studies and Curator, Yale Peabody Museum of Natural History</td>
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<td>9:55 am</td>
<td>Session Chair: Anthony Caragiulo</td>
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<td>Postdoctoral Research Fellow, Sackler Institute for Comparative Genomics, American Museum of Natural History</td>
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<td>9:55 am</td>
<td>Gregory Barord</td>
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<td>City University of New York - Graduate Center and Brooklyn College</td>
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<td>9:55 am</td>
<td>Francine Kershaw</td>
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<td>Columbia University</td>
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<td>Stephanie Dowell</td>
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<td>Fordham University</td>
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<td>Luke Browne</td>
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<td>Tulane University</td>
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<tr>
<td>11:00 am</td>
<td>Break (Northwest Coast Indians, 1st Floor)</td>
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<td>11:35 am</td>
<td>Session Chair: Felicity Arengo</td>
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<td>Associate Director, Center for Biodiversity and Conservation, American Museum of Natural History</td>
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<td>Sandeep Sharma</td>
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<td>Clemson University Institute for Parks</td>
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<td>Carolina Gomez-Posada</td>
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<td>Joshua Stewart</td>
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<td>Scripps Institution of Oceanography, UCSD</td>
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<tr>
<td>12:45 pm</td>
<td>Lunch: Mentor-Hosted Tables (School Lunchrooms, Lower Level)</td>
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<tr>
<td>2:15 pm</td>
<td><strong>Speed Talk Session: Advancing Conservation Management</strong></td>
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<td><strong>Session Chair:</strong> Mark Weckel</td>
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<td><em>Postdoctoral Conservation Research and Teaching Fellow, Center for Biodiversity and Conservation and Department of Education, American Museum of Natural History</em></td>
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<td>2:15 pm</td>
<td><strong>Orion Weldon</strong></td>
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<td><em>Rutgers University</em></td>
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<td></td>
<td>Linking lasers, land, and life: A multi-scale approach to avian habitat modeling</td>
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<td>2:15 pm</td>
<td><strong>Rachel Bricklin</strong></td>
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<td><em>Fordham University</em></td>
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<td></td>
<td>Do songbirds preferentially forage on native plants during migratory stopovers?</td>
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<td>2:15 pm</td>
<td><strong>Emily Ogburn</strong></td>
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<td></td>
<td><em>State University of New York College of Environmental Science and Forestry</em></td>
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<td>Parasites as indicators of aquatic ecosystem complexity to inform restoration</td>
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<td>2:15 pm</td>
<td><strong>Kaitlyn Parkins</strong></td>
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<td><em>Fordham University</em></td>
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<td>Urban green roofs provide foraging habitat for bats</td>
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<td>2:15 pm</td>
<td><strong>Timothy Treuer</strong></td>
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<td><em>Princeton University</em></td>
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<td></td>
<td>Analyzing biological soundscapes for conservation ends</td>
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<td>2:15 pm</td>
<td><strong>Abraham Borker</strong></td>
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<td></td>
<td><em>University of California Santa Cruz</em></td>
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<td>Acoustic monitoring as a scalable seabird monitoring solution</td>
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<td>2:15 pm</td>
<td><strong>Anna Sakellariadis</strong></td>
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<td><em>Yale School of Forestry and Environmental Studies</em></td>
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<td>Elephants, small-holder farmers, and the beehive fence: conflict mitigation in Kenya</td>
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<td>2:15 pm</td>
<td><strong>Mia Park</strong></td>
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<td><em>Cornell University</em></td>
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<td>Natural areas buffer the impact of pesticides on wild apple pollinators</td>
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<td>2:15 pm</td>
<td><strong>Caitlin Doughty</strong></td>
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<td><em>Yale School of Forestry and Environmental Studies</em></td>
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<td></td>
<td>Examining participation and power between local actors in the Peruvian Andes</td>
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<td>2:15 pm</td>
<td><strong>Nadia Rubio-Cisneros</strong></td>
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<td></td>
<td><em>Scripps Institution of Oceanography, UCSD</em></td>
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<td></td>
<td>History of coastal fisheries in Marismas Nacionales wetland in the Gulf of California</td>
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<tr>
<td>3:10 pm</td>
<td><strong>Speed-Talk Discussion and Break</strong></td>
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<td><em>(Northwest Coast Indians, 1st floor)</em></td>
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</table>
**SCCS - NY Agenda**

**Talk Session: Ecosystem Change and Conservation**
(Kaufmann/Linder Theaters)

**3:55 pm**

**Session Chair:** **Georgina Cullman**  
*Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History*

- **Andrea Reid**  
  *McGill University*  
  Implications of hypoxia tolerance for wetland refugia use in Lake Nabugabo, Uganda

- **Elham Sumarga**  
  *Wageningen University*  
  Land use change and ecosystem services dynamics in Central Kalimantan Indonesia

- **Kayla Hamelin**  
  *McGill University*  
  Thermal effluent alters benthic invertebrate communities in the St. Lawrence River

- **Vincent Fugere**  
  *McGill University*  
  Effects of agricultural land-use on the functioning of Ugandan rainforest streams

**5:10 - 6:30 pm**

**Poster Session and Pizza Party** (Astor Turret and Fossil Mammal Array, 4th floor)

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**6:30 - 8:00 pm**

**THIS YEAR IN CONSERVATION: A PANEL DISCUSSION**  
2013 Mack Lipkin Man and Nature Series  
(Kaufmann / Linder Theaters)

Four conservation professionals explore the important events, ideas, and innovations that have challenged and inspired conservation action on the world stage and in their own careers.

- **Stewart Diemont**  
  *Department of Environmental Resources Engineering, State University of New York College of Environmental Science and Forestry*  
  *Dr. Diemont’s participation in this event is made possible through the generous support of the SUNY-ESF Dale L. Travis Lecture Series.*

- **Rodolfo Dirzo**  
  *Department of Biology, Stanford University*

- **Jane Carter Ingram**  
  *Ecosystem Services, Wildlife Conservation Society*

- **Eleanor J. Sterling** (Moderator)  
  *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 towards advancing the most humane and caring practices of medicine.
## SCCS - NY Agenda

**Thursday, October 10**

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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>8:00 am</td>
<td><strong>Breakfast and Registration</strong> (Grand Gallery, 77th Street Lobby)</td>
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<tr>
<td>9:00 am</td>
<td><strong>Talk Session: Conservation at the Landscape Scale</strong></td>
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</table>
|        | Session Chair: **Ana Luz Porzecanski**  
|        | *Project Director, Network of Conservation Educators and Practitioners & Associate Director for Capacity Development, Center for Biodiversity and Conservation, American Museum of Natural History*  |
|        | **Efrat Sheffer**  
|        | *Princeton University*  
|        | Looking outside the box—the importance of landscape dynamics to local conservation  |
|        | **Amanda Martin**  
|        | *Carleton University*  
|        | How the historic landscape drives the evolution of movement characteristics  |
|        | **Rachel Golden**  
|        | *University of Maryland*  
|        | Protected Area Downgrading, Downsizing, and Degazettement (PADDD) in North America  |
|        | **Dena Spatz**  
|        | *University of California Santa Cruz*  
|        | Threatened seabird breeding biogeography and priority islands for conservation  |
| 10:15 am| **Break** (Northwest Coast Indians, 1st floor)                       |
| 10:45 am| **Talk Session: Socio-ecological Systems**                          |
|        | Session Chair: **Eleanor J. Sterling**  
|        | *Director, Center for Biodiversity and Conservation, American Museum of Natural History*  |
|        | **Yahaira Urbina**  
|        | *Environmental Research Institute*  
|        | Wildlife law awareness and hunting in Belize  |
|        | **Gillian Gregory**  
|        | *McGill University*  
|        | Implications of aquatic resource dependency for conservation in rural Amazonia  |
|        | **Timothy Hodgetts**  
|        | *University of Oxford*  
|        | Re-thinking connectivity in conservation: Chasing the tales of woodland mammals  |
|        | **Diana Alexandra Delgadillo Mendez**  
|        | *Universidad de La Salle*  
|        | Community perception: Baseline to protect two endemic and endangered Colombian birds  |
|        | **Yufang Gao**  
|        | *Yale School of Forestry and Environmental Studies*  
<p>|        | Social interactions in the ivory trade: Comparing Chinese and Western perspectives  |
| 12:10 pm| <strong>Lunch: Mentor-Hosted Tables</strong> (School Lunchrooms, Lower Level)    |
| 1:55 pm| <strong>Group Photo</strong> (Location to be announced)                           |</p>
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<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>2:20 pm</td>
<td><strong>Speed Talk Session: Biodiversity in Changing Ecosystems</strong></td>
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<td><strong>Session Chair:</strong> Mary E. Blair</td>
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<td></td>
<td><em>Assistant Director for Research and Strategic Planning, Center for Biodiversity and Conservation, American Museum of Natural History</em></td>
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<td><strong>Shaena Montanari</strong></td>
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<td><em>Sackler Institute for Comparative Genomics, American Museum of Natural History</em></td>
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<td>Molecular and isotopic methods for dietary analysis in big cats using scats and hair</td>
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<td><strong>Dawn Konkoly</strong></td>
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<td><em>Fordham University</em></td>
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<td>The early birds are getting earlier: Long-term shifts in dawn chorus onset</td>
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<td><strong>Hongliang Bu</strong></td>
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<td><em>Peking University</em></td>
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<td>Activity patterns of sympatric small forest carnivores in southwestern China</td>
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<td><strong>Curtis Burkhalter</strong></td>
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<td><em>Rutgers University</em></td>
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<td></td>
<td>Search strategies are a critical aspect of settlement decisions within a landscape</td>
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<td><strong>Aini Hasanah Abd Mutalib</strong></td>
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<td><em>Universiti Sains Malaysia</em></td>
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<td>Understanding nesting ecology and behavior of green sea turtles</td>
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<td><strong>Sandra Martins De Freitas</strong></td>
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<td><em>Carleton University</em></td>
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<td>Comparison of primary and secondary forest site occupancy by birds in Central Amazon</td>
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<td><strong>Mariya Chechina</strong></td>
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<td><em>University of Alberta</em></td>
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<td>Screening life history traits of tropical tree species for use in reforestation</td>
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<td><strong>Erasme Uyizeke</strong></td>
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<td><em>National University of Rwanda</em></td>
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<td>Protecting aquatic biodiversity through a new farming management design in Rwanda</td>
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<td><strong>Jennifer Schieltz</strong></td>
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<td><em>Princeton University</em></td>
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<td>How do wild grazers respond to cattle grazing on shared rangelands in East Africa</td>
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<td><strong>Emma Fuller</strong></td>
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<td><em>Princeton University</em></td>
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<td>Recovery of natural systems: Does it happen?</td>
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<td>3:15 pm</td>
<td><strong>Speed-Talk Discussion and Break</strong> (Northwest Coast Indians, 1st floor)</td>
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<td>4:00 pm</td>
<td><strong>Plenary Address:</strong> Rodolfo Dirzo</td>
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<td><em>Bing Professor in Environmental Science, Department of Biology, Stanford University</em></td>
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<td></td>
<td>Conservation beyond taxa: Threats to ecological processes in tropical systems</td>
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<td>4:45 pm</td>
<td><strong>Awards and Closing</strong></td>
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<th>Time</th>
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<tr>
<td>5:05 - 6:30 pm</td>
<td><strong>RESOURCE &amp; CAREER FAIR</strong></td>
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<td></td>
<td>(Astor Turret and Fossil Mammal Array, 4th Floor)</td>
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<td>Network and gather information about future careers and resources in conservation</td>
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<td>science!</td>
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<td>Conservation Leadership Programme ● Earth Institute Center for Environmental</td>
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<td>Sustainability (EICES) ● Richard Gilder Graduate School ● EcoHealth Alliance ●</td>
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<td>Wildlife Conservation Society-Glover’s Reef Research Station ● Yale University</td>
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<td>Press ● Audubon Society ● Network of Conservation Educators and Practitioners</td>
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<td>(NCEP) ● University of Miami-Marine Conservation and Coastal Sustainability Programs ●</td>
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<td>Fordham University ● World Wildlife Fund-Russell E. Train Education for Nature</td>
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<td>Program ● Bard College ● International Union for Conservation of Nature (IUCN) ●</td>
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<td>Society for Conservation Biology</td>
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<td>Time</td>
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<tr>
<td>9:00 am</td>
<td>Biodiversity Conservation in the City: What are the next big questions...</td>
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<td>12:00</td>
<td>Lunch Break and Collections Tours (If you are registered for a Collections Tour, please meet at the registration desk outside the Kaufmann Theater on the 1st Floor at 12:10pm SHARP.)</td>
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<tr>
<td>2:00 pm</td>
<td>Balancing Social and Ecological Needs in Conservation Planning and Protected Area Management</td>
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<td>A Biocultural Approach in Conservation Practice: Conceptual and Practical Tools for Linking Biological and Cultural Diversity</td>
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<td>What am I Going to Do with the Rest of My Life?! Exploring Careers in Conservation</td>
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DAVID K. SKELLY
Professor of Ecology and Associate Dean for Research, Yale School of Forestry and Environmental Studies
Curator, Yale Peabody Museum of Natural History

CONSERVATION ON THE SUBURBAN FRONTIER
While conservation scientists engage in acrimonious debates about whether wilderness still exists, we can be quite certain that “domesticated landscapes” are rapidly becoming an ever greater presence around the globe. One of the leading forms of domestication is the creation of suburban environments. Unlike many other forms of conversion, suburban landscapes often integrate relictual pieces of native ecosystems with highly altered environments. The result is typically a jagged, disjointed set of habitats for wildlife species to negotiate. Conservation research in these contexts has focused most closely on the role of habitat loss and fragmentation as well as the influences of roads. Much of the work has emphasized patterns of native biodiversity loss and the promotion of invasive species with development. Alongside these well-trodden research themes are emerging areas focused on remediating and avoiding harms associated with development. New Findings will emphasize ways in which the inevitable growth of suburban environments may best accommodate and support other species and the ways in which other species may help us gauge and improve environmental health for all species.

RODOLFO DIRZO
Bing Professor in Environmental Science, Department of Biology, Stanford University

CONSERVATION BEYOND TAXA: THREATS TO ECOLOGICAL PROCESSES IN TROPICAL SYSTEMS
While the concern for the loss of biodiversity remains a critical contemporary problem for the world, an aspect that urgently needs attention now is the risk of loss of ecological processes. This talk presents an analysis of the anthropogenic impact on animals - a process termed “defaunation” - in tropical ecosystems, and how this in turn leads to the disruption of ecological interactions and local extinction of ecological processes. Additionally, the talk will explore how defaunation may have cascading consequences, potentially affecting human health.
Guide to Posters

(In alphabetical order by presenter’s last name)

Kelly Boisvert
Tufts University
Evaluating the potential resilience of Pieridae butterflies to exotic invasive hosts

Alexander Braczkowski
University of Oxford, UK
Who bites the bullet first? Leopard susceptibility to trophy hunting in South Africa

Cara Brook
Princeton University
Diversity and disease: Conservation and public health aligned on the eighth continent

Fernando Carvajal
Unidad de Limnología y Recursos Acuáticos (ULRA), Bolivia
Fish-AMAZBOL: a database of fish species richness in Bolivia’s Amazon Basin

Charlotte Chang
Princeton University
Habitat loss and the illegal songbird trade in tropical Asia

Adrienne Chitayat
Antioch University New England
The effects of forest fragmentation on the behavioral ecology of chimpanzees

Andrew Collins
Columbia University
Citizen science and conservation: Exploring urban biodiversity

Sara Collins
Carleton University, Canada
Influences of agricultural landscape pattern on aquatic biodiversity

Edward Cruz
Pace University
The threepsine stickleback in Alberta: A candidate for eradication or protection?

Laura Cussen
Stanford University
Applying local ecological knowledge to the conservation of the Hispaniolan Solenodon

Allison Devlin
State University of New York College of Environmental Science and Forestry
Population persistence of Jaguar (panthera onca) in the Brazilian Pantanal

Katherine Dilliplane
Fordham University
The role of sub-lethal lead poisoning in raptor deaths

Jeremy Feinberg
Rutgers University
A new frog from the urban northeast US: Discovery, ecology, and conservation concerns

Tim Frankstone
Mianus River Gorge & Sleepy Hollow High School
The diet of an intra-United States exotic millipede Boraria stricta

Katelynn Frei
Antioch University New England
Use of cameras to assess nocturnal primates in Nyungwe National Park, Rwanda, Africa

Rebecca Fuda
State University of New York College of Environmental Science and Forestry
Carnivore conservation in Northwest Uganda: Assessing human impacts and attitudes
Melina Giakoumis  
*Columbia University*  
Population genetics of Pallas’s Cat in Mongolia

Sean Giery  
*Florida International University*  
Effects of ecosystem fragmentation on coloration in the Bahamas mosquitofish

Cristina Gomez Garcia-Reyes  
*Durrell Institute of Conservation and Ecology*  
Land-ownership transitions and the role of local tenure in connectivity conservation

Lisbet Gonzalez-Oliva  
*Institute of Ecology and Systematic, Cuba*  
Conservation of rare and endangered Cuban seabeach amaranth (*Amaranthus minimus*)

William Haffey  
*Fordham University*  
Avian perceptions of patterned glass windows

Maria Hällfors  
*Finnish Museum of Natural History, University of Helsinki, Finland*  
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Fabio Hernandes  
*Universidade Estadual Paulista (UNESP), Brazil*  
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Felipe Hernandez  
*University of Florida*  
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Tracey Higa  
*Pace University*  
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Joanna Jack  
*Carleton University, Canada*  
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Carolyn Koestner  
*Mianus River Gorge & Mamaroneck High School*  
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Suzanne Macey  
*Fordham University*  
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Marcela Marquez  
*University of Florida*  
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Lisa McManus  
*Princeton University*  
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Angelica Menchaca  
*Columbia University*  
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Megan Morrissey  
*Duquesne University*  
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Alexis Mychajliw  
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*University of Ibadan, Nigeria*  
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*Wildlife Institute of India*
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*WildCRU, UK*
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Tsilavina Ravelomanana  
*University of Antananarivo, Madagascar*
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Shannon Reddy  
*Mianus River Gorge & Blind Brook High School*
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Joel Emmanuel Sabimana  
*Rwanda Natural Resources Authority, Lands and Mapping Department*
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Andrea Patricia Thomen  
*State University of New York College of Environmental Science and Forestry*
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Andrew Tilman  
*Princeton University*
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Lucia Tonelli  
*Mianus River Gorge & Ossining High School*
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Hope Usieta  
*University of Cambridge, UK*
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Charles Van Rees  
*Tufts University*
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John Vanek  
*Hofstra University*
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Francisca Vidal-Garcia  
*Istituto de Ecologica A.C., Mexico*
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Rebecca Walling  
*State University of New York College of Environmental Science and Forestry*
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Jessica Welch  
*University of Tennessee*
Effects of invasion on the Pacific sheath-tailed bat

Steven Yoo  
*Mianus River Gorge & Mamaroneck High School*
Using automatic species recognition software to identify animals in wildlife camera
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