

# Academy Research Day



## Powerful, revealing talks on Academy research and discoveries.

Please join us for the Academy Research Day as Academy scientists share their remarkable discoveries.

Hear brief, engaging presentations on the diversity of science and future directions.

Stop by for one or more sessions throughout the day.

Questions? Please contact  
Jenna Ansbro, [jenna@drexel.edu](mailto:jenna@drexel.edu)

**Friday, October 11, 2019**

**8:30 a.m.-6:00 p.m.**

**8:30-9:15 a.m.**

Light refreshments and check-in

**9:15-9:30 a.m.**

Opening remarks by Vice President of Academy Science  
David Velinsky

**9:30-10:00 a.m.**

Keynote address by Senior Fellow Bob Peck  
Alexander von Humboldt and The Invention of Nature

**10:00-10:15 a.m.**

Break

**10:15-10:45 a.m.**

### **SESSION 1**

*History of Science*

Rivers, Humans, and Microbes: Ruth Patrick's Limnological Approach to Measuring the Health of Ecological Systems  
**Lloyd Ackert**

A Brief History of Academy Ornithology  
**Matt Halley**

Now Open the Doors: Natural History Museums in "Victorian" Japan  
**Paul Callomon**

**10:45-11:00 a.m.**

Panel discussion, Q&A  
Discussion leader: Bob Peck

**11:00-11:15 a.m.**

Break

**11:15-12:15 p.m.**

### **SESSION 2**

*New Directions*

A New Project on the Coevolution of Birds and Their Parasites: What Can It Teach Us About the General Principles of Host-Parasite Interactions?  
**Jason Weckstein**

Understanding the Environmental Risks of 'Forever Chemicals'  
**Marie Kurz**

Environmental DNA: A Tool for Monitoring Biodiversity  
**Mariangeles Arce H.**

Developing Digital Tools for Change  
**Lin Perez**

EngWINS – Engaging Women in Engineering: Training Mentors to Make a Difference  
**Jacquie Genovesi and Ayana Allen**

**12:15-12:30 p.m.**

Panel discussion, Q&A  
Discussion leader: Meg Clifton North

**12:30-1:45 p.m.**

Lunch

**1:45-2:00 p.m.**

Remarks by President Scott Cooper

**2:00-2:45 p.m.**

### **SESSION 3**

*Connections: Science and Society*

Watersheds, Communities, and Environmental Stressors  
**Stefanie Kroll**

3-D Specimen Digitization

**Kyle Luckenbill**

Legacy Assets: Once You Got 'Em, Then What?  
**Fred Mullison**

Science and Literacy for Success  
**Mariah Romaninsky**

**2:45-3:00 p.m.**

Panel discussion, Q&A  
Discussion leader: Jennifer Sontchi

**3:00-3:15 p.m.**

Break

**3:15-4:00 p.m.**

### **SESSION 4**

*Earth Systems*

Yellowstone and Other Volcanoes

**Loyc Vanderkluyzen**

Bioko Island Studies in Seismology: Wait This Island is a Volcano?  
**Amanda Lough**

Blue Carbon on a Changing Coast  
**Johannes Krause**

Bringing "Dark Data" Into the Light: Digitizing the Academy's Cenozoic Eastern Pacific Invertebrate Collections  
**Kathryn Estes-Smargiassi**

**4:00-4:15 p.m.**

Panel discussion, Q&A  
Discussion leader: Ted Daeschler

**4:15-4:30 p.m.**

Closing remarks by President Scott Cooper

**4:45-6:00 p.m.**

Reception in *Butterflies*



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