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

Friday, October 11, 2019

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
Lloyd Ackert

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 Vanderkluysen

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-Smariglassi

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