

THE TWENTY-FIRST ANNUAL LEHIGH VALLEY ECOLOGY AND EVOLUTION SYMPOSIUM
SATURDAY, APRIL 26, 2025
HOSTED BY
LAFAYETTE COLLEGE AND

- 8:15 - 9:00 AM Registration and Continental Breakfast
Lobby, Hugel Science Center
- 9:00 - 9:15 AM Welcome Address and Opening Remarks
John Drummond, Department of Biology, Lafayette College

ORAL PRESENTATIONS SESSION I

9:15 AM to 10:15 AM – Oechsle Hall, 224

Chair of Session: Dr. Sara McClelland, Department of Biological Sciences, Moravian University

** indicates presenter*

- 9:15 - 9:30 AM **Using ultraconserved elements to reconstruct the evolutionary history of a new genus of Samoidae (Opiliones: Laniatores)**
Halley Hoffman*, Dr. Daniel Proud
Moravian University, Bethlehem, PA
- 9:30-9:45 AM **Using Google trends to improve monitoring of the invasive spotted lanternfly in the United States**
Kade Lippitt*, Caroline Maciejewski, Emily Ringholm, Jonathan Katzenmoyer, and Dr. Alex Van Huynh
DeSales University, Easton, PA
- 9:45 -10:00 AM **A general framework for modeling biological control of the spotted lanternfly and similar potentially toxic invasive pests**
Jackie Brochu*, and Dr. Daniel Strömbom
Lafayette College, Easton, PA
- 10:00 -10:15 AM **Buggin out: Why have the insects left Little Cedar Creek?**
Caprina Licopoli*, Professor Karen Tuerk, and Dr. Erika Iyengar
Muhlenberg College, Allentown, PA
- 10:15 - 10:30 AM **Break** Oechsle Hall Lobby

ORAL PRESENTATIONS SESSION II

10:30 AM to 11:45 PM – Oechsle Hall

Chair of Session:

Dr. Daniel Strömbom, Department of Biology, Lafayette College

10:30 - 10:45 AM **Modeling coral reef and crown of thorns starfish (*Acanthaster solaris*) interactions to conserve reef health**

Julianna Hoitt* and Dr. Daniel Strömbom
Lafayette College, Easton, PA

10:45 - 11:00 AM **Population genomics of *Spea* spadefoot toads in southern USA**

Syrmalena G Kotronaki¹, Heidi A Seears², and Amber M Rice¹

1. Department of Biological Sciences, Lehigh University, Bethlehem, PA 18015

2. Department of Biology, University of Virginia, Charlottesville, VA 22904

11:00 - 11:15 PM **Evaluating ecological restoration progress in Bushkill Creek, PA: results of longitudinal monitoring before and after dam removal and freshwater mussel reintroduction**

Jamie Bryan,* and Dr. Megan Rothenberger
Lafayette College, Easton, PA

11:15 - 11:30 PM **What factors influence foraging group formation in house sparrows (*Passer domesticus*)?**

Maria Soukup* and Dr. Daniel Strömbom
Department of Biology, Lafayette College, Easton, PA

11:30 - 11:45 AM **Meeting for LVEES organizers in Oechsle 224**

11:45 - 12:45 PM

LUNCH

Pfenning Alumni Center
Wilson Room

12:45 - 1:45 PM

KEYNOTE SPEAKER

Pfenning Alumni Center
Wilson Room

Honey Bee Colony Mortality: Lessons Learned from Two Decades of Scientific Research

Dr. Robyn Underwood

1:45 – 2:45 PM

POSTER SESSION I

4th and 5th floor, Rockwell Integrated Sciences Center (RISC)

2:45 - 3:00 PM

Break

Rockwell Integrated Sciences Center, 460

3:00 – 4:00 PM

POSTER SESSION I

4th and 5th floor, Rockwell Integrated Sciences Center (RISC)

4:00 - 4:30 PM

Student Award Presentations & Closing

Oechsle Hall, 224