

DEPARTMENT OF

# ENTOMOLOGY



## Research Overview

The Department of Entomology's research portfolio consists of basic science that builds on strengths in insect biodiversity, insect-plant interactions, and applied pest management research focused on stakeholder needs and priorities. We work on a range of insect problems using diverse toolsets and varied disciplinary approaches.

## Research Areas

- HOST PLANT-INSECT INTERACTIONS
- ARTHROPOD MOLECULAR BIOLOGY & GENOMICS
- INTERNATIONAL COOPERATION & DEVELOPMENT
- ENVIRONMENTAL & EVOLUTIONARY ENTOMOLOGY
- INSECT SCIENCE EDUCATION
- INTEGRATED PEST MANAGEMENT
- FORENSICS

## Research Centers

- CENTER FOR ENVIRONMENTAL AND REGULATORY INFORMATION SYSTEMS (CERIS)
- CENTER FOR URBAN AND INDUSTRIAL PEST MANAGEMENT [CUIPM]
- NATIONAL AGRICULTURAL PEST INFORMATION SYSTEM (NAPIS)
- NATIONAL PESTICIDE INFORMATION RETRIEVAL SYSTEM (NPIRS)
- NATIONAL PLANT DIAGNOSTIC NETWORK (NPDN)
- PURDUE ENTOMOLOGICAL RESEARCH COLLECTION[PERC]

*Pictured at left from top:  
a Varroa mite on a bee,  
Dr. Laura Ingwell,  
Dr. Catherine Hill,  
Dr. Linda Mason and  
Dr. Christian Krupke*

**CATHERINE HILL**  
DEPARTMENT HEAD

hillca@purdue.edu | 765.494.4554

901 Mitch Daniels Blvd, West Lafayette, IN 47907-2089  
Purdue University College of Agriculture

## Signature Research Areas

I	Host Plant-Insect Interactions
II	Arthropod Molecular Biology & Genomics
III	International Cooperation & Development
IV	Environmental & Evolutionary Entomology
V	Insect Science Education
VI	Integrated Pest Management
VII	Forensics

Baributsa, Dieudonné - III, VI      dbaribut@purdue.edu  
International IPM, Postharvest Entomology

Bruner, Robert - V      rfbruner@purdue.edu  
Exotic Forest Pest Outreach and Education

Buczkowski, Grzegorz - II, VI      gbuczkow@purdue.edu  
Ecology and Evolution of Urban and Invasive Arthropods

Cameron, Stephen - II, IV      cameros@purdue.edu  
Insect Evolutionary Biology

Couture, John - I, IV      couture@purdue.edu  
Plant-Insect Chemical Ecology

Creighton, Curtis - I, IV, V      creighto@purdue.edu  
Evolutionary Ecology and Ecoimmunology

Enders, Laramy - I, II, IV      lenders@purdue.edu  
Plant-Insect-Microbe Interactions, Microbiomes

Ginzel, Matthew - I, IV      mginzel@purdue.edu  
Forest Entomology and Chemical Ecology

Gondhalekar, Ameya - II, VI      ameyag@purdue.edu  
Urban Pest Management and Insect Toxicology

Hans, Krystal - IV, V, VII      hans3@purdue.edu  
Forensic Sciences

Harpur, Brock - II, IV      bharpur@purdue.edu  
Evolutionary Biology

Hill, Catherine - II, VI      hillca@purdue.edu  
Biology and Control of Arthropod Disease Vectors

Hill, Mike - VI      mikehill@purdue.edu  
Director, Center for Environmental and Regulatory Information Systems

Ingwell, Laura - I, VI      lingwell@purdue.edu  
Protected Production Entomology

Johnston, Andrew -IV, V, VI      john3796@purdue.edu  
Insect Diversity and Diagnostics, 4-H Entomology

Justus, Emily - V      ejustus@purdue.edu  
Outreach Coordinator

Kaplan, Ian - I, IV, VI      ikaplan@purdue.edu  
Ecology of Herbivores and Natural Enemies

Kelley, Alicia - IV, VI      ajkelley@purdue.edu  
Indiana State Survey Coordinator, Cooperative Ag Pest Survey (CAPS)

Krupke, Christian - I, IV, VI      ckrupke@purdue.edu  
Field Crop Pest Management

Long, Elizabeth- I, IV, VI      long132@purdue.edu  
Horticultural Entomology

Mason, Linda - VI      lmason@purdue.edu  
Behavior, Food Pest IPM

Obermeyer, John - VI      obe@purdue.edu  
Integrated Pest Management Specialist

Pittendrigh, Barry - I, II, III, IV, VI      pittendr@purdue.edu  
Insect Genomics/Toxicology/International Development

Richmond, Douglas - I, IV, VI      drichmond@purdue.edu  
Soil Insect Ecology, Turfgrass IPM

Schemerhorn, Brandi - I, II      bschemer@purdue.edu  
Population Genetics

Smith, Aaron - II, IV      smit3866@purdue.edu  
Insect Systematics

Subramanyam, Shubha - I, II      shubha@purdue.edu  
Plant-Insect Interactions

Zhang, Lei - I, VI      leizhang@purdue.edu  
Plant-Nematode Interactions