



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