



DEPARTMENT OF

ENTOMOLOGY



Research Overview

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



Research Areas

- ARTHROPOD MOLECULAR BIOLOGY AND GENOMICS
- PEST MANAGEMENT
- HOST PLANT/INSECT INTERACTIONS
- ENVIRONMENTAL AND EVOLUTIONARY ENTOMOLOGY
- INTERNATIONAL DEVELOPMENT AND COOPERATION
- INSECT SCIENCE EDUCATION



Research Centers

- CENTER FOR ENVIRONMENTAL AND REGULATORY INFORMATION SYSTEMS (CERIS)
- NATIONAL PESTICIDE INFORMATION RETRIEVAL SYSTEM (NPIRS)
- NATIONAL AGRICULTURAL PEST INFORMATION SYSTEM (NAPIS)
- NATIONAL PLANT DIAGNOSTIC NETWORK (NPDN)
- CENTER FOR URBAN AND INDUSTRIAL PEST MANAGEMENT



*Pictured at left from top:
Dr. Christian Krupke,
Purdue Improved Crop
Storage (PICS), Dr.
Catherine Hill, Dr. Linda
Mason and a Varroa mite
on a bee*

**STEPHEN CAMERON
DEPARTMENT HEAD**

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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	Pest Management

Baributsa, Dieudonné - III, VI dbaribut@purdue.edu
International IPM, postharvest entomology

Bledsoe, Larry - IV, VI lbledsoe@purdue.edu
Indiana state survey coordinator, Cooperative Ag Pest Survey (CAPS)

Buczowski, Grzegorz - II, VI gbuczow@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
Insect-microbe interactions, applied evolutionary entomology

Gibb, Timothy - V, VI gibb@purdue.edu
Insect/Human Health IPM, Insect Diagnostician, 4-H Entomology

Ginzel, Matthew - I, IV mginzel@purdue.edu
Forest entomology and chemical ecology

Gondhalekar, Ameya - II, VI ameyag@purdue.edu
Urban entomology

Hans, Krystal - II, IV, V hans3@purdue.edu
Forensic sciences

Harpur, Brock - II, IV bharpur@purdue.edu
Apiculture

Hill, Catherine - II, VI hillca@purdue.edu
Genetics and genomics of arthropod vectors

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

Holland, Jeffrey - IV jdhollan@purdue.edu
Landscape ecology and insect biodiversity

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

Kaplan, Ian - I, IV, VI ikaplan@purdue.edu
Ecology of herbivores and natural enemies

Krupke, Christian - I, VI ckrupke@purdue.edu
Field crop pest management

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

Mason, Linda - V, VI lmason@purdue.edu
Behavior, food pest IPM

Obermeyer, John - VI obe@purdue.edu
Integrated pest management specialist

Pearson, Gwen - V gpearso@purdue.edu
Outreach coordinator

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

Richmond, Douglas - I, III, IV, VI drichmond@purdue.edu
Turfgrass entomology and applied ecology

Sadof, Clifford - I, III, IV, VI csadof@purdue.edu
Ornamental pest management

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

Yaninek, Steve - III, IV, VI yaninek@purdue.edu
Invasion biology