Established in 2013, the Center for Arthropod Management Technologies (CAMTech) is a National Science Foundation Industry / University Cooperative Research Center, based at Iowa State University and the University of Kentucky, USA. Our mission is to streamline the efforts of industry, government and academia toward development of technologies for effective management of arthropod pests. Research within the center is aligned with the needs of industry to expedite the delivery of new tools for pest management.

Benefits of I/UCRC Membership

While the I/UCRC is largely supported by membership fees, the benefits of industry membership far outweigh the annual fee of $50,000. I/UCRC member benefits include:

- **Leverage research funds from other center members and NSF.** The consolidated funding allows for at least 15 times the individual investment to address pressing research needs.

- **Get research results early.** Industry members have pre-publication research results available for review.

- **Influence research directions.** Representatives from each member company serve on the Industry Advisory Board which prioritizes center research.

- **Meet prospective employees.** A primary goal of the I/UCRC is to provide a pipeline of well-qualified scientists (graduate students and postdoctoral fellows) to industry.

- **Interact with others in the field.** The I/UCRC provides the opportunity for a company to engage on a pre-competitive basis with a diverse group of university and industry peers.

- **Get a jump start on research leads.** Industry members have the ability to utilize information gained from center research to competitive advantage.

- **Obtain licensing rights.** Members have the option to a royalty-free/non-exclusive license or, in the situation where only one member desires a license, an option to an exclusive/royalty bearing license.

- **Establish partnerships** to pursue opportunities for major federal funding.

The Center provides the basic research foundation necessary for the applied goals of industry. Research projects, prioritized at the outset by the industry members, fall within the following areas:

- Insect resistance
- RNA interference
- Novel target sites
- Methods
- Mechanisms of transcytosis across the insect gut
  
  *How are some proteins able to move from the gut into the hemocoel of an insect?*
  
- Characterization of digestive proteases and nucleases in stink bugs
  
  *What enzymatic challenges will be faced by agents used for suppression of stink bug populations?*
  
- Mechanisms of RNA interference
  
  *Why does RNAi work so well in beetles, but not in other insects?*
  
- Toward increased efficacy of soybean cyst nematode management tools
  
  *Development of innovative techniques for high-throughput, sensitive assessment of effects of nematode management compounds on the soybean cyst nematode life cycle*
  
- Establishment of midgut cell lines from select pest insects
  
  *Development of methods and establishment of continuous cell lines from the midgut of selected pest insects to use for assessment of potential pest suppression agents*

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For more information, go to [www.ent.iastate.edu/camtech](http://www.ent.iastate.edu/camtech)