



# NIMBioS

National Institute for Mathematical  
and Biological Synthesis



## Insect Pest Resistance Evolution *A NIMBioS Investigative Workshop*

November 14-15, 2013

NIMBioS at the Univ. of Tennessee, Knoxville

The goals of this workshop are to develop a modeling framework that can provide guidance on absolute time required for resistance to evolve in given systems and to aid in designing sustainable crop protection strategies through the investigation of resistance evolution across landscapes. The workshop will also synthesize the state of knowledge about resistance evolution, define focused research goals for both the theoretical and empirical community, foster greater connection between theory and application, and broaden the role of agricultural entomology in elucidating general phenomena in applied evolution. The workshop will bring together scientists with diverse backgrounds, including empirical entomologists, applied and basic modelers, geneticists, and government agency scientists familiar with regulatory goals.

Participation in the workshop is by application only. Individuals with a strong interest in the topic are encouraged to apply, and successful applicants will be notified within two weeks of the application deadline. If needed, financial support for travel, meals, and lodging is available for workshop attendees.

### **Application deadline: August 12, 2013**

For more information about the workshop and a link to the online application form, go to [http://www.nimbios.org/workshops/WS\\_pestresist.html](http://www.nimbios.org/workshops/WS_pestresist.html)

*The National Institute for Mathematical and Biological Synthesis (NIMBioS) brings together researchers from around the world to collaborate across disciplinary boundaries to investigate solutions to basic and applied problems in the life sciences. NIMBioS is sponsored by the National Science Foundation, the U.S. Department of Homeland Security, and the U.S. Department of Agriculture with additional support from The University of Tennessee, Knoxville.*

