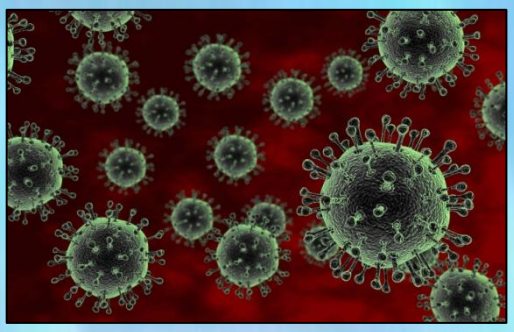
NIMBioS

National Institute for Mathematical and Biological Synthesis



Interface Disease Models

A NIMBioS Investigative Workshop

March 11-13, 2014

NIMBioS at the Univ. of Tennessee, Knoxville

Infectious disease models have a long history in human epidemiology, but only more recently have been applied to domestic or wildlife host species. These models offer a way to test response plans, evaluate detection methods, identify effective methods to mitigate disease, and answer policy questions. Given that many diseases of current and future concern have both wild and domestic animal components, a need exists to understand the strengths and weaknesses of current modeling frameworks to capture the dynamics both within and between wild and domestic hosts. Enhanced collaboration across institutions and among biologists, modelers, and veterinarians is needed to reduce the risks posed by animal-related diseases. Through this workshop, we seek to develop a better understanding of the availability and utility of different kinds of modeling approaches as well as the data to answer complex questions.

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: December 16, 2013

For more information about the workshop and a link to the online application form, go to http://www.nimbios.org/workshops/WS_interface.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.

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