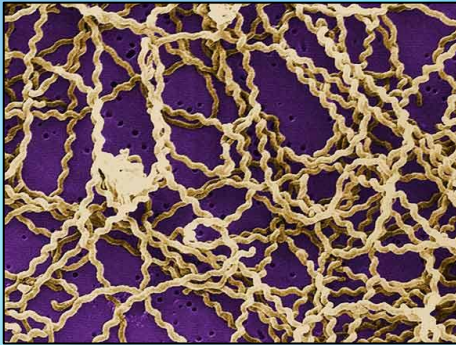




# NIMBioS

National Institute for Mathematical  
and Biological Synthesis



## Leptospirosis Modeling A NIMBioS Investigative Workshop

June 3-5, 2014

NIMBioS at the Univ. of Tennessee, Knoxville

The workshop will bring together expertise in bacteriology, molecular biology, epidemiology, statistics, veterinary medicine, human medicine, ecology, hydrology, mathematical modeling, network dynamics, evolutionary dynamics, and nonlinear analysis to explore mathematical tools and approaches for describing 1) within-host dynamics of *Leptospira* infection and immunity in reservoir and incidental hosts; 2) multi-host, multi-species *Leptospira* transmission dynamics in urban and rural settings; and 3) environmental drivers of leptospirosis transmission in animals and people. Participants will explore the state of knowledge of leptospirosis transmission in animal and human populations and the capabilities and limitations of the existing techniques that could be used for explaining currently available empirical data.

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: February 10, 2014**

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

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*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.*

