

## Ph.D. Student Opportunity for Ecology and Epidemiology of infectious diseases

We seek a highly motivated Ph.D. student with strong mathematics and/or statistics skills to participate in research activities in the area of ecology and epidemiology of infectious diseases. This is part of our effort to develop a strong research and education program that integrates geoinformatics and eco-epidemiology, with a focus on zoonotic and vector-borne diseases. The student could work with an international research group for risk assessment and early warning of highly pathogenic avian influenza, or initiate a new research activity in other infectious diseases such as Lyme disease, West Nile virus, Rift Valley Fever or Malaria. The student will focus on data synthesis, statistical analysis and mathematical modeling of infectious diseases; and will participate in field research and data collection.

The Ph.D. student will be enrolled in Ecology and Evolutionary Biology graduate program (<http://www.ou.edu/eeb>), and accepted into the Department of Botany and Microbiology (<http://www.ou.edu/cas/botany-micro/>), and the Center for Spatial Analysis (<http://csa.ou.edu/>) at University of Oklahoma.

**Qualification:** The candidate should have a master degree in ecology, epidemiology, biology, geography, statistics or mathematics. He/she should have strong background in mathematics and/or statistics, and good skills in statistic software (e.g., Matlab, R), and computer programming language (e.g., C++, C, and Python).

Please send your application (your resume, contact information of 3 references, a statement of research and education interest, and one SCI paper about your work; an informal copy of TOEFL and GRE scores for international students) to Prof. Xiangming Xiao ([xiangming.xiao@ou.edu](mailto:xiangming.xiao@ou.edu)).

The Earth Observation and Modeling (EOM) group at University of Oklahoma (OU) is a new research program at both Department of Botany and Microbiology (<http://www.ou.edu/cas/botany-micro/>), and the Center for Spatial Analysis (<http://csa.ou.edu/>); and it is located at the Stephenson Research and Technology Center (<http://srtc.ou.edu/>) on the research campus of University of Oklahoma. Additional information about the research group can be found at <http://remotesensing.unh.edu>, and <http://eco-epidemiology.unh.edu>. The EOM group at OU is building a state-of-the-art computational remote sensing facility, which includes 400 Terabyte raid disk system and 10 Linux servers; in addition, it has access to the OU's supercomputer facility that is equipped with 1040 quad-core CPU chips.

Norman, Oklahoma is ranked #6 the best places to live by the CNN/Money Magazine on America's best small cities (<http://money.cnn.com/magazines/moneymag/bplive/2008/snapshots/PL4052500.html>). The city is working closely with the university on community and economic developments.

The University of Oklahoma is an Affirmative Action, Equal Opportunity Employer; women and minorities are encouraged to apply.