

Research Scientist Position for Ecology and Epidemiology of Infectious Diseases

We seek a highly motivated research scientist 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 infectious diseases. The candidate could work with an international research group for risk assessment and early warning of highly pathogenic avian influenza, and/or initiate a new research activity in other infectious diseases such as Lyme disease, West Nile virus, Rift Valley Fever or Malaria. The candidate will focus on data synthesis, statistical analysis and mathematical modeling of infectious diseases; and will participate in field research and data collection. The candidate will actively participate in proposal writing and research project development.

The research scientist III position has two-year duration. The position offers competitive salary commensurate with candidate's qualification and experience. Continuing support of the position depends upon performance and funding available. The position may be renewable dependent upon success of new proposals. The position could start on December 1, 2008. Review of application will begin immediately upon receipt; and continue until the position is filled or the search is closed.

Qualification: The candidate should have a Ph.D. degree in biology, ecology, epidemiology, geography, statistics or mathematics; and have 2 years of post-doctoral research experience. He/she should have good skills with statistic software (e.g., Matlab, R), and computer programming language (e.g., C++, C, Python).

Please send your application (your resume, contact information of 3 references, a statement of research and teaching interest, a copy of transcript, and 2-3 SCI papers about your work in ecology and epidemiology of infectious diseases) to Prof. Xiangming Xiao (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>. 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.