A postdoctoral research associate position is available in the Spatial Analysis Lab in the National Institute of Mathematical and Biological Synthesis (NIMBioS) at the University of Tennessee, Knoxville. This position is funded by the US Forest Service and the postdoctoral mentors are Dr. Todd Schroeder (USFS FIA Program todd.schroeder@usda.gov) and Dr. Monica Papeș (Department of Ecology and Evolutionary Biology and NIMBioS mpapes@utk.edu). The project will focus on characterizing forest structure and biomass from National Agriculture Imagery Program (NAIP) digital surface model (DSM) data acquired in 2018 for Tennessee and Virginia.

The postdoctoral associate will be expected to develop plot-level accuracy assessments, statewide evaluations of post-stratified forest volume and biomass estimates, and R code or specialized methodologies to process and/or analyze the various spatial data sets. Additional possible topics of research include forest structure metrics from terrestrial, airborne, or spaceborne lidar.

Requirements:
- A Ph.D. in a pertinent field (biology, geography, or remote sensing)
- Research experience in spatial data processing to answer spatial biology questions
- Experience in scientific publishing; ability to produce drafts of papers for publication in scientific journals; evidence of successful prior publication
- A strong background in geographic information systems (GIS): ESRI, R, QGIS, and/or Google Earth Engine
- Ability to work/communicate with a multidisciplinary team
- Willingness to help with the preparation of additional grant proposals would be a plus

An initial appointment will be for one year, with the potential for renewal if further proposals are funded and postdoctoral researcher makes satisfactory progress. A start date by March 15, 2020 or earlier is preferred. Salary will be commensurate with experience and qualifications. Send via email attachment a CV, statement of interest, and contact information for three references to SAL@nimbios.org by February 7, 2020. In addition, an employment application must be submitted at: http://hr.utk.edu/recruitment.

The University of Tennessee is an Affirmative Action/Equal Employment Opportunity Employer. Women and minorities are encouraged to apply.