The successful applicant will participate in analytic, enumerative, and simulation based evaluations of statistical methods and algorithms for two big data applications: 1) longitudinal observations of clusters widely varying in size (as in Medicaid data), and 2) High Dimension, Low Sample Size repeated measures (metabolomics, GWAS, et al.). The first goal is to publish rapidly in highly visible methodological and applied journals. The second goal is to use the work as preliminary studies in proposals for additional NIH funding. The successful applicant will participate fully in all activities, as part of a collaborative team with a long track record of successful mentoring of junior researchers.

Required qualifications: 1) a doctoral degree in biostatistics, bioinformatics, epidemiology, or related quantitative field, or a master’s degree and substantial experience; 2) excellent written and oral communication skills (oral interviews as well as English and mathematical writing samples will be requested during the selection process); 3) statistical and simulation programming skills needed to efficiently produce, test, and document software in prototyping languages such as SAS/IML or R; 4) a willingness to learn MapReduce/Hadoop tools and attack massively parallel computing problems.

Interested applicants should email a letter of interest (reference #00029382), research reference statement, curriculum vita, two representative reprints of published papers (first-authored publications preferred), and a list of at least three references to Lillian Vargus at lvargas@ufl.edu.