Graduate Research Assistant (Bioinformatics) – Louisiana State University, Baton Rouge, Louisiana

A graduate research assistant position is available in spring 2021 in the School of Plant, Environmental and Soil Sciences (SPESS) of the Louisiana State University (LSU). The research will involve application of bioinformatics tools to analyze high-density genome/transcriptome and phenome data to identify genetic variants that influence biological functions associated with agronomic traits of interest including stress resistance in crop plants. The overall goal of this collaborative project is to devise molecular strategies to breed improved varieties with desired traits, in addition to deepening our understanding of the genes and associated networks underlying the traits in response to biotic and environmental stressors. The student will be expected to publish research findings in appropriate journals and present research results in relevant scientific conferences.

Highly motivated candidates with an M.S. degree in bioinformatics, computational genomics/biology or related field with experience in handling large-scale 'omics data should contact Dr. Niranjan Baisakh (nbaisakh@agcenter.lsu.edu) with a research statement and an updated CV with the names of three references. The applicant must be proficient in the use of Linux/Unix OS and should have ability to write codes for implementing in programming languages (Python, Perl, R, etc.). Knowledge in the development of de novo tools/pipeline and website is a plus. Prospective students are encouraged to visit https://lsu.edu/graduateschool/prospectivestudents/index.php to learn about the academic requirements for admission to LSU.