



Department of Poultry Science
College of Agricultural & Environmental Sciences
UNIVERSITY OF GEORGIA

Bioinformatics Analyst I

Position Summary: The Bioinformatics Research Professional (Grant Funded) will have responsibility with primary focus on novel gene discovery and characterization. This position will be responsible for the development of next generation sequence pipelines for the analysis of large microbiome, transcriptome, and metabolome datasets. These pipelines and applications will be based on existing tools and algorithms as well as newly developed solutions tailored to address specific research goals. This full time, benefits eligible position has an estimated start date of December 2026.

Knowledge, Skills, Abilities and/or Competencies:

- Familiar with publicly available bioinformatics tools, algorithms, and websites
- Strong programming skills in R and Python
- Proficiency in working with databases and data management platforms (ex. SQL/NoSQL)
- Demonstrate a solid scientific proficiency, creativity, and ability to collaborate effectively with others, and independent thought processes
- Capable of working on problems of diverse scope in which analysis of data involves a detailed evaluation of possible factors
- Team player and a focused individual with a strong work ethic and great attention to detail
- Exhibit excellent communication skills and a broad knowledge of existing technologies, with ability to distill and relay complex scientific concepts to a variety of audiences.
- Familiar with publicly available bioinformatics tools, algorithms, and websites
- Strong programming skills in R and Python.
- Experience in bioinformatics software development and research
- Experience in NGS data analysis, including algorithm development, genome and metagenome assembly and annotation, microbial community profiling using 16S and ITS amplicon data, and development of statistical reporting tools
- Experience developing tools in programming languages such as Python, R, C++, Java, Perl, or Matlab
- Experience with general NGS data analysis tools such as SAMtools, pysam, Picard Tools, Bowtie, BWA, and CLC Genomics Workbench, and other functional annotation software
- Proven ability to independently manage several distinct projects at once
- Ability to exercise judgment within broadly defined practices and policies in selecting methods, techniques, and evaluation of criteria for obtaining results
- Ability to assemble the *Eimeria* spp genome to support research goals

Minimum Qualifications: Bachelor's degree in a related field or equivalent

Salary: Commensurate with Experience, benefits eligible

Apply: <https://www.ugajobsearch.com/hr/postings/507728>