***This old UMB job description was created between 2000 and 2014 and is being provided as a template or guide in the preparation of a current job description. The essential functions are general in nature and may not accurately depict the duties of a specific unit. Managers are encourage to update and provide specific duties that are applicable to work being performed in the unit.***

Job Title: **Analyst, Bioinformatics Lead**

Job Family: Research Sub Family: Analysis - Data Bioinformatics

**Job Summary:**

Provide technical leadership to genomic research projects and scientific analysis of the data generated by those projects using a variety of database and software applications. Act as project lead to generate, annotate, gather or analyze data.

**Essential Functions:**

* Develop and design procedures or specific scientific protocols. Advise investigators on analysis methodologies and experimental design. Add value to data generated by genome sequencing projects through assembly, annotation, curation, and quality assurance.
* Perform analysis of genomic data and format for use by other analysts or scientists.
* Integrate and analyze data from genome sequencing projects, functional genomics analysis, and other school of medicine research projects.
* Organize genomic data with other relevant data types into databases, displays, or graphic presentations for publication and web presentation and present the data at scientific meetings.
* Lead project team in requirements capture and testing of new and existing bioinformatics software and database systems.
* Train, mentor and evaluate less experienced analysts in generation, annotation and analyzing data.
* May supervise teams of bioinformatics analysts and engineers.
* Participate in community outreach and training.
* Performs other duties as assigned.

**Minimum Qualifications**

Education: Bachelors in Computer Science, Information Technology, Bioinformatics or Life Sciences, including fields, i.e., Biology, Molecular Biology, Genetics, Biochemistry

Experience: Eight (8) years genomic research experience in Windows and UNIX-based operating systems environment including direct experience with genomic data QC/QA, assembly, annotation, or other analysis. Four (4) years large-scale project Management experience

Supervisory: Two (2) years at a leadership level.

Licensure/Certification:

Other: No subsitution of experience for minimum education requirement.

**Knowledge, Skills, and Abilities**

*Managers may provide prefered knowledge, skills, and abilities as necessary.*

Job Code: E3317H

SOC Code: 152041 IPEDS: Computer

EEO6 Code: Professional State Code: 9213204

USM eCode: E30334 AAP Code: 3C