***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: **Research Assistant Laboratory**

Job Family: Research Sub Family: Laboratory

**Job Summary:**

The Laboratory Research Assistant is responsible for performing research activities in a laboratory setting.

**Essential Functions:**

* Perform routine laboratory maintenance and research activities such as: general housekeeping, wipe tests, ELISA assays, preparing solutions, media, stains, and buffers; cultures and specimens; autoradiograms and photomicrographs, executing biochemical procedures such as: electrophoresis, blotting, chromatography, and DNA extractions, etc.
* May perform advanced laboratory research activities such as: animal surgery, microscopy techniques, imaging techniques, recombinant DNA techniques, protein purification, and hybridizations, etc.  May participate in the design of research studies.
* Compile and may analyze research data using various relevant computer software applications.
* Assist with literature research, editing and preparing manuscripts, scientific illustrations and computer graphics for publication.
* May perform administrative duties such as: training and guiding students and/or other laboratory technicians; assisting in developing policies, procedures and/or methods for laboratory experimentation; and ordering supplies.
* Performs other duties as assigned.

**Minimum Qualifications**

Education: Bachelors in Biology, Chemistry or in a field of study related to the research of the laboratory.

Experience:

Supervisory:

Licensure/Certification:

Other: May consider a combination of directly related experience and education.

**Knowledge, Skills, and Abilities**

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

Job Code: E3303C

SOC Code: 194020 IPEDS: Computer

EEO6 Code: Professional State Code: 9213201

USM eCode: E40331 AAP Code: 3D