

---

## Auburn University Job Description

Job Title: **Mgr, Research Scientist Lab**

Job Family: No Family

Job Code: **HA08**

Grade RE09 \$54,400 - \$92,500

FLSA status: Exempt

---

### Job Summary

The Research Scientist Laboratory Manager supports and assists the Director in the oversight of three areas within the Clinical Pharmacology Laboratory (CPL) to include therapeutic drug monitoring, endocrine, and analytical areas. Responsible for planning, performing, and reporting research involved in the discovery of new knowledge, techniques, and concepts utilizing fundamental and advanced scientific and research knowledge, skills. Supervises and provides assistance to laboratory staff, and manages the laboratory, equipment, and facilities.

### Essential Functions

1. Supervises laboratory personnel to include Research Assistants, Research Aide, temporary employees, and student workers. Provides interface between staff and laboratory director; schedules and conducts laboratory meetings; provides input into laboratory policies regarding laboratory administration and day to day responsibilities. Seeks out opportunities to mentor and coach employees; showcases the successes of others. Looks for opportunities to give appropriate feedback on performance; reinforces efforts and checks on progress. Explains, demonstrates, and reinforces expected behaviors, knowledge, and skills. Inspires employees and coworkers to develop and grow.
  2. Directs routine and non-routine experiments, investigations, and studies in pursuit of new knowledge or the application of previously established knowledge, or new techniques, and concepts that will help with the development of new analytical methods that will be used for therapeutic drug monitoring or research projects. Provides professional assistance for method development to conduct complex analytical assays and protocols for the analytical laboratory. Develops written descriptions of High Performance Liquid Chromatography (HPLC) which can serve as an introduction to students of interest.
  3. Reviews and monitors the analytical information generated by the laboratory, including protocols; processes data; performs statistical analyses as it relates to quality assurance; interprets data; and prepares final reports including quality assurance documents in writing as well as presenting results to others. Provides professional assistance to generate protocols for the research projects and prepares final reports including quality assurance documents in writing as well as presenting results to others. Provides professional support to generate protocols for the research projects. Assigns work involved in the analytical activities of the laboratory. May assist the Laboratory Director in planning the agenda, meetings, administrative activities as cost analyses and budget for the laboratory.
  4. Supports researchers, prospective graduate students, and lab personnel with the implementation of a previously validated analytical assay, that includes training others on analytical techniques, proper use of instrumentation and software, analysis of data, and reporting. Directs, as appropriate, personnel in solution preparation (mobile phases, buffers, rinse and clean solutions, and reagents) as needed for therapeutic drug monitoring samples, and for research projects using established instructions and protocols.
  5. Serves as a Safety Officer to ensure that established safety rules are followed by the lab personnel. Coordinates with the appropriate personnel regarding chemical waste storage, pickup, and collection for the lab. Ensures Risk Management requirements are met by monitoring of the chemical inventory to include monitoring expiration dates of standards, reagents, and solvents; proper disposal of expired chemicals; and ordering of necessary chemicals as needed.
-

---

## **Auburn University Job Description**

6. Responsible for equipment, materials, labor and support of facility and lab operations. Coordinates the logistics of the maintenance of the analytical instrumentation, the safety procedures in the laboratory, the planning for materials, the personnel training and the general labor needs. Acquires knowledge related to analytical instrumentation and related software to include learning how to set up and maximize the effectiveness of equipment and features offered through the software to make analyzing and sorting of data easier.
7. May assist in preparation of research results for publication or presentation at conferences to include assisting in literature reviews and assisting in the writing of material and methods, results and discussions.
8. Performs other duties as needed.

## **Supervisory Responsibility**

Full supervisory responsibility for other employees is a major responsibility and includes training, evaluating, and making or recommending pay, promotion or other employment decisions.

*The above essential functions are representative of major duties of positions in this job classification. Specific duties and responsibilities may vary based upon departmental needs. Other duties may be assigned similar to the above consistent with the knowledge, skills and abilities required for the job. Not all of the duties may be assigned to a position.*



---

## Auburn University Job Description

---

### Minimum Required Education and Experience

	<u>Minimum</u>	<u>Focus of Education/Experience</u>
<b>Education</b>	Master's Degree	Degree in Chemistry, Biology, Biochemistry, or any relevant life science degree.
<b>Experience (yrs.)</b>	6	Must have 6 years of experience in performing research and management of the lab and equipment to include maintenance and use of analytical instrumentation, including but not limited to HPLC and LC-MS; analytical method development and method validation, as well as use of associated analytical software such as Empower; and statistical analysis is necessary for method validation as well as quality assurance. 2 of the 6 years of experience required must be supervising laboratory staff.

#### Substitutions allowed for Education:

When a candidate has the required experience, but lacks the required education, they may normally apply additional relevant experience toward the education requirement, at a rate of two (2) years relevant experience per year of required education.

#### Substitutions allowed for Experience:

Indicated experience is required; no substitutions allowed.

#### Minimum Required Knowledge

Knowledge of basic math. Effectively applies technical and administrative knowledge to solve a range of problems. Knowledge of developing solutions to problems that cannot be solved using existing methods or approaches. Expertise in analytical method development and validation, software and Microsoft excel skills.

#### Certification or Licensure Requirements

None Required.

---

### Physical Requirements/ADA

Occasional and/or light lifting required. Limited exposure to elements such as heat, cold, noise, dust, dirt, chemicals, etc., but none to the point of being disagreeable. May involve minor safety hazards where likely result would be cuts, bruises, etc.

Externally imposed deadlines; set and revised beyond one's control; interruptions influence priorities; difficult to anticipate nature or volume of work with certainty beyond a few days; meeting of deadlines and coordination of unrelated activities are key to position; may involve conflict-resolution or similar interactions involving emotional issues or stress on a regular basis.

Job frequently requires standing, walking, sitting, reaching, talking, hearing, handling objects with hands, .

Job occasionally requires and lifting up to 10 pounds.

---

---

## **Auburn University Job Description**

Vision requirements: Ability to see information in print and/or electronically.

Date: 2/7/2022

