JOB CODE INFORMATION
- Job Title: Research Asst I
- Job Code: 3180

JOB SUMMARY
Provide, under direct supervision, support for specified research projects; collect, assess, and communicate data/results. Assist in general laboratory operation and inventory.

KEY RESPONSIBILITIES
- Under supervision, run experiments, assays, and record results
- Read and follow experimental protocols (May include animal handling, tissue culture, etc.)
- Compile and communicate results to supervisor
- Follow University safety protocols (may include use of combustibles, radioactivity, toxic material, and/or carcinogensics)
- Perform calculations involving molarity, % solutions, and serial dilutions
- Prepare and operate equipment in experimental procedures
- May include blood gas analyzer, centrifuge, pH meter, spectrophotometer, autoclave, scintillation counter, electrophoresis unit, analytical balance, etc.
- Maintain and repair equipment according to manufacturer and university guidelines.
- Ensure Laboratory is prepared for experiments
- Maintain inventories,
- Maintain sterile conditions as required
- Prepare reagents
- Clean equipment.

BASIC QUALIFICATIONS
- Bachelor’s Degree (or equivalent experience) (Required)
- < 1 year experience (Required)

PHYSICAL REQUIREMENTS/STRENGTHS NEEDED & PHYSICAL DEMANDS
Movement
Sensory
Environmental Conditions
- Occasional: Sitting: Remaining in seated position
- Occasional: Standing: Remaining on one’s feet without moving.
- Occasional: Walking: Moving about on foot.
- Occasional: Lifting under 35 lbs: Raising and lowering objects under 35 lbs from one level to another
- Occasional: Push/Pull: Exerting force to move objects away from or toward.
- Occasional: Bending/Stooping: Trunk bending downward and forward by bending spine at waist requiring full use of lower extremities and back muscles
- Occasional: Crawling: Moving about on hands and knees or hands and feet.
- Occasional: Reaching below shoulders: Extending arms in any direction below shoulders.
- Occasional: Handling: Seizing, holding, grasping, turning or otherwise working with hand or hands.
- Occasional: Vision: Clarity of near vision at 20 inches or less and far vision at 20 feet or more with depth perception, peripheral vision, color vision.
- Occasional: Noise: May include exposure to occupational noise levels which equal or exceed an 8-hr time-weighted average of 85 decibels, requiring enrollment in VUMC's Hearing Conservation Program which includes training, use of hearing protection, and periodic audiometry.
- Continuous: Communication: Expressing or exchanging written/verbal/electronic information.
- Occasional: Chemicals and Gasses: Medications, cleaning chemicals, oxygen, other medical gases used in work area.
- Occasional: Pathogens: Risk of exposure to bloodborne pathogens and other contagious illnesses.
- Occasional: Radiation: May be exposed to occupational radiation, requiring enrollment in VUMC's Radiation Safety Program which includes training, use of personal protective equipment with lead shielding, and personal dose monitoring.
- Occasional: Climate: Ability to withstand exposure to atmospheric extremes including heat, cold, humidity, and barometric pressure changes.

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