

Job Description for Senior Technician, Laboratory

Position Overview

The Senior Technician, Laboratory, is responsible for providing technical support and expertise in a scientific laboratory environment. This role requires extensive knowledge of laboratory procedures, equipment, and safety protocols, as well as the ability to conduct complex experiments and analyze data. The Senior Technician will collaborate with scientists, researchers, and other technicians to ensure the smooth operation of the laboratory and the successful completion of projects.

Key Responsibilities

Laboratory Management

- Oversee the daily operations of the laboratory, ensuring all equipment is functioning properly and safely.
- Maintain an organized and clean laboratory environment, adhering to safety and regulatory standards.
- Coordinate with suppliers and manage inventory of laboratory supplies and reagents.

Technical Support

- Provide technical assistance and guidance to junior technicians and laboratory staff.
- Perform routine and advanced laboratory tests and procedures with accuracy and precision.
- Ensure proper calibration and maintenance of laboratory instruments and equipment.

Experimentation and Research

- Design and conduct experiments under the guidance of senior scientists and researchers.
- Collect, analyze, and interpret experimental data, maintaining detailed and accurate records.
- Prepare reports, presentations, and summaries of research findings for review and publication.

Qualifications and Skills

Educational Background

- Bachelor's degree in a relevant scientific discipline (e.g., Biology, Chemistry, Biochemistry) is required. A master's degree is preferred.

- Additional certifications in laboratory techniques and safety procedures are advantageous.

Experience

- Minimum of 5 years of experience working in a laboratory setting,
- Proven experience in conducting experiments and utilizing laboratory equipment and software.

Technical Skills

- Proficiency in laboratory techniques such as PCR, spectrophotometry, chromatography, and microscopy.
- Familiarity with laboratory software and data analysis tools.
- Strong understanding of laboratory safety protocols and regulatory requirements.