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# Example of Research Lab Technician Job Description

Our company is looking to fill the role of research lab technician. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for research lab technician

* Perform mouse ES cell gene targetings
* Use laboratory/computer equipment to analyze experimental data
* Provide routine interpretations of analyses
* Perform general scientific laboratory practices and procedures
* Perform day-to-day activities as part of the high capacity, high throughput, Next Generation sequencing team including, but not limited to, preparing sequencing libraries and generating and managing sequencing data
* Be able to assist in data analysis, troubleshoot issues and communicate technical information to end-users
* Delivery of treatments (via IP injection, oral gavage, ) to tumor-bearing mice
* Perform DNA and RNA extractions from many different sample types
* Perform nucleic acid amplification analyses using standard techniques such as qPCR, ddPCR, q-RT-PCR, dd-RT-PCR, and LAMP
* Maintain the lab’s high standards for biosafety

## Qualifications for research lab technician

* Assist graduate students and postdocs in validating their research findings by reproducing their experiments with additional samples
* Follow lab procedures for maintaining a neat, detailed electronic lab notebook
* Maintain the organization of lab workspaces
* Analyze raw data and generate figures using software provided by the laboratory
* A highly motivated and qualified candidate may additionally develop independent aspects of ongoing projects, while continuing to provide research support
* Ambition to enter a top medical or graduate school