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# Example of Scientist, Molecular Biology Job Description

Our company is searching for experienced candidates for the position of scientist, molecular biology. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for scientist, molecular biology

* The candidate should be familiar with plate readers, spectrometers, and various biochemical assay formats
* The candidate should also be familiar with mammalian tissue culture and cell based assays
* Experience with RNAi techniques or CRISPR is a plus
* A background in medium-throughput screening of small molecules or antibodies would be an advantage
* Lead the Process Development effort around novel reagents used in NGS workflows such as reverse transcription, amplification, ligation, single strand recovery, targeted enrichment, targeted depletion, and epigenetics
* Conceive, develop and implement novel QC methods to assess reagents and kits through a variety of analytical and functional tests
* Independently troubleshooting and resolving formulation and QC issues
* Lead the technical development of new products for biopharmaceutical testing
* Collaborate with cross functional teams to construct, maintain and update BOMs for pharma kits
* Issue and track engineering changes to sustain product manufacturing

## Qualifications for scientist, molecular biology

* A track record of genetic engineering of multiple microbial organisms (Gram positive, Gram negative, yeasts & fungi)
* Microbial genome editing experience (recombination-based approaches, lambda red recombineering, CRISPR, random)
* Experience with HTP data-driven experimental design and statistical analysis of large data sets
* Reviews study protocols and attends the pre-initiation meetings for the related studies
* Supports the daily operation, monitoring, and calibration of the equipment and software used in the lab
* Maintains the laboratory and/or directs the lab maintenance with appropriate documentation, including