



## Scientist I

ScitoVation is the premier startup company for scientists who want to explore cutting-edge research and make a significant impact in the toxicology industry. You will be part of a highly-sought-after team of thought leaders and collaborators who are dedicated to finding innovative solutions to assess the safety of chemicals and products. Our team is driven by using the best science in chemical safety to improve risk assessment and decision making for clients. We are also at the forefront of developing next generation new approach methodologies (NAMs) and spearhead the efforts required to get key-stakeholder buy in ranging from regulatory bodies to pharma organizations. It's an exciting time to join our organization with many companies prioritizing Next Generation Risk Assessment and few that deliver on its requirements. With a vision of being THE trusted source in chemical safety & assessment – while elevating human and environmental health and well-being, do you have what it takes to join our team and make your mark?

### ***Job Overview:***

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Under general supervision and based on the experimental design developed by the investigator, determines and executes work methods to perform laboratory experiments and to collect and record results. Also provides support to the research programs by performing data management and data analyses.

### ***Accountable for:***

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1. Following well-defined procedures to conduct laboratory experiments including experiment setup, collecting and analyzing samples, equipment monitoring and recording analytic results. Maintaining accurate log of experiments in laboratory notebook.
2. Analyzing data collected as a result of performing the experiments. Selecting and utilizing the most appropriate method for summarizing results (e.g., text, graphs, and charts). Presenting results for evaluation by supervisor.
3. Specified experiment design, determining the work methods required to perform the experiment and developing new methods or techniques as required. May contribute to experimental design by providing input on technical aspects.
4. Reviews current and historical scientific research literature as it relates to performing job duties.
5. Assisting with internal training as requested. Participates in internal committees and group discussions as appropriate.
6. Performing general administrative laboratory duties such as sterilization and cleaning of equipment, purchasing supplies, disposing of waste and other general housekeeping items. Ensures adherence to health and safety guidelines.



7. Performing data manipulation and analyses including deriving frequencies, lists data subsets and descriptive statistics such as means, graphs and charts, developing statistical models and conducting significance testing. Writes original software programs required to perform the data and manipulation and analysis.
8. Developing data sets for analyses and performs data management required to develop these data sets including procedures such as collecting data; planning, entering or supervising the entry of data; writing software programs to enter data; reconciling data; verifying data quality.
9. Maintenance activities of cell cultures.
10. Meeting with senior laboratory staff to interpret data and discuss improvements to protocols.

### ***Education and Experience:***

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BS in chemistry, biology, toxicology, biochemistry or equivalent related degree is required. This position is entry level to 2 years experience.

### ***Competencies and Behaviors:***

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- Must have excellent writing, organization and verbal communication skills
- Work independently and with cross-functional teams
- Ability to multitask and meet existing deadlines
- Must be detail conscious and organized
- Must possess excellent time management skills
- Able to anticipate problems and implement mitigation strategies.
- Efficient, driven, willing to go the extra mile
- Leadership and initiative
- Positive attitude
- Analytical and critical thinking skills
- Customer focused
- Adaptable
- High degree of integrity

### ***Skills and Abilities:***

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- Maintain and treat cell cultures, freeze back cells for stock, prepare cells for data collection, basic cell media formulation and chemical dilution calculations
- Pipetting proficiency
- Plate reader assays
- Nucleic acid purification
- cDNA synthesis
- Quantitative real-time PCR
- Gel electrophoresis
- Basic statistics



- Basic data analysis (fold change calculations, normalization, creating graphs)

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***Work Environment:***

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This job operates in a professional office environment and laboratory. This role routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines.

This role also routinely uses laboratory equipment and programs such as: Thermo 7900HT, ACEA xCelligence RTCA, GraphPad Prism, Thermo/Cellomics XTi High Content Imager, Flexstation 3, Autoclave, BD Canto Flow Cytometer, Nanodrop 8000, MSD QuickPlex SQ, Spectrophotometer, Centrifuges, Encapsulator, Sonicator, Incubators, Inverted microscope, and pH meter/scales.

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***Physical Demands:***

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The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. The employee is occasionally required to sit; climb or balance; and stoop, kneel, crouch or crawl. The employee must frequently lift and/or move up to 10 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

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***Position Type/Expected Hours of Work:***

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This is a full-time position, and hours of work and days are generally Monday through Friday, 9:00 a.m. to 5 p.m.

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***Travel:***

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Little to no travel is expected in this position.

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***Supervisory Responsibilities:***

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This role does not have supervisory responsibilities.

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***Other Duties:***

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Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.