

## Molecular Lab Technologist

### Job Summary

Reporting to the Technical Business Director, and based at OSP's Calgary Technical Centre, the Molecular Lab Technologist will perform an integral role and be primarily responsible in supporting the LifeCheck microbial testing product line. This position will be responsible for conducting and reporting on molecular-based microbial testing, and supporting the technical team with both internally and externally facing scientific content. Opportunity for growth and contributions to enhancing the development processes and product and service offerings of the organization will be encouraged.

### Responsibilities

- Laboratory testing in support of OSP's LifeCheck service offering. Laboratory tasks will include (but are not limited to):
  - Laboratory information management
  - Microbial DNA/RNA extraction
  - qPCR, RT-qPCR
  - Targeted amplicon (gene) sequencing
  - ATP testing
  - Biocide efficacy testing
- Preparing client-facing technical reports in a timely and accurate manner
- Assisting clients and internal sales with technical questions
- Maintaining and aiding in the development of standard operating procedures and lab practices
- Assisting in the development and enhancement of OSP IP, technology and service offerings
- Field work and sampling as required
- Working with the technical team to produce and present technical content for conferences and scientific papers

### Qualifications

- Graduate degree or an advanced degree in a field related to molecular, environmental, or petroleum microbiology
- Proficiency in common molecular microbiological test methods (nucleic acid extraction, PCR, etc.)
- Practical experience in library prep and Illumina-based sequencing workflows an asset
- Demonstrated project management and analytical skills
- Related experience in the oil and gas industry an asset
- Experience in bioinformatics, R programming, or Linux OS an asset
- WHMIS, TDG and H<sub>2</sub>S Alive training an asset

### Additional Skills & Attributes

- **Customer Service** – As a key member of a service offering, the ideal candidate would have strong customer service acumen, communicating with clients, and prioritizing and producing lab (report) deliverables in a manner that brings value to the end user.
- **Innovative** - Able to think outside of the box in order to develop creative and new solutions or products that meet current and future needs.

- **Results Orientation** - Able to focus on desired outcomes, and the means by which they are achieved by meeting and or exceeding standards based on past performance, goals, and objectives, as well as the performance and/or achievements of others.
- **Professionalism** - Demonstrates professional standards of conduct when governing interactions between individuals in a business environment.
- **Teamwork** - Works cooperatively and effectively with others to reach a common goal. Participates actively in group activities fostering a team environment.
- **Attention to Detail** - Attends to details and pursues quality in the accomplishment of tasks, regardless of the volume of duties encountered.
- **Problem Solving** - Able to break down a situation into smaller pieces to identify key issues and figure out cause and effect relationships in order to solve. Use logic and analytical methods to come to realistic solution.
- **Project Management** - Accurately estimates duration and level of difficulty of tasks and projects. Sets out goals, objectives, and work plans to complete tasks and projects. Determines where work needs to be delegated.

## Work Conditions

- Interaction with customers/clients
- Attendance and participation in training
- Use of required personal protective equipment
- Attendance and conducting of presentations
- Ability to accommodate a flexible work schedule when required
- Working in an office environment, lab environment, and occasional field work
  - Flexible work from home scheduling available, subject to lab needs

### Acknowledgement & Agreement

The above description reflects the general details considered necessary to describe the principal functions and duties as required for proper evaluation of the job and will not be construed as a detailed description of all the work requirements that may be inherent in the job. Employees may perform other related duties and tasks as required to meet the needs of the operation.

I acknowledge that I have received and reviewed this job description.

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Witness: \_\_\_\_\_