

Career Opportunity

Microbiology Technician

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Chinova Bioworks - Fredericton, Canada

Start date: **Mid August 2018**

Job Type: **Full time**

Number of openings: **1**

Application closing date: **August 1, 2018**

Chinova Bioworks is actively seeking applications from qualified candidates for a Microbiology Technician. This position reports to the Chief Technology Officer.

Chinova Bioworks is an innovative food technology company that specializes in natural mushroom derived chitosan. We make new functional ingredients for the food and beverage industry that help our clients meet major consumer trends for clean label and healthy preservation. Chinova Bioworks offers competitive salaries and benefits. This position is for our corporate headquarters in Fredericton, Canada.

Position Summary:

The Microbiology Technician will be an integral member of the R&D team and will collaborate with the operations team. This role will focus on one primary task: to assist in testing Chinova's products against various food and beverage spoilage microorganisms. This will require the candidate to use various microbiology laboratory protocols to produce the data required to show optimal performance.

Responsibilities:

- Work with various bacteria, yeast and mold species.
- Prepare, maintain, and perform quality control testing of all laboratory media used for the growth and propagation of microorganisms.
- Culture by propagation viable pathogenic and nonpathogenic stock cultures of bacteria, yeast and molds.
- Maintain viability and quality control of bacterial/yeast/mold cultures used during each test.
- Complete microbiology assays and record data.

- Prepares and dispenses solutions and chemical materials used for the R&D lab which may include reagents, chemicals, acids, bases, buffers and stains.
- Inventories, orders, receives, and stocks materials, supplies, and equipment for R&D use. Cleans up after each lab session by washing, and if necessary, sterilizing tools, equipment, and supplies.
- Assist in laboratory upkeep; dishes, racking tips, wiping down work surfaces, sterilizing tools and equipment, etc.
- Operates scientific equipment such as: autoclave, analytical balance, chromatography, spectrophotometer, pH meter, and microscopes.
- Calibrates, maintains, and performs repairs on scientific equipment and supplies.
- Collects, and processes hazardous waste materials and toxic chemicals resulting after R&D work; collects and properly processes and disposes of biohazard waste.
- Reading scientific articles to keep up to date on new techniques and knowledge of food and beverage spoilage microbes and pathogens.

Technical Skills and Knowledge:

- Sound understanding of GLP (Good Laboratory Practice); working aseptically, accurate pipetting, accurate weighing of reagents, etc.
- Maintain the lab and equipment in a safe and organized manner including the handling of hazardous or dangerous materials and equipment as required for R&D.
- Excellent communication, presentation, and analytical skills to work rest of R&D team, and with Operations and Engineering.
- Reading and interpretations skills.
- Have current knowledge of microbiology laboratory testing, methods, and procedures.

Personal Skills:

- Attention to detail
- Ability to work effectively in a team
- Pride and ownership in one's work
- Self-motivated and driven to meet deadlines and exceed expectations
- Strong safety culture
- Willingness to learn new skills and take on multiple tasks/roles

- Ability to make decisions and execute
- Ability to balance time, cost, and quality
- Organizational and management skills

Education / Experience:

Bachelor's in Microbiology, Biology, Biochemistry or in related field, with experience working in a laboratory will be preferred.

To Apply:

Email a current resume with a cover letter to Dr. Tanzina Huq, CTO at tanzina@chinovabioworks.com no later than August 1st, 2018.

