



Job Description: Microbiology and Molecular Biology Technologist

Employment: Full-time Contract

Description:

MicroSintesis is an animal health company developing postbiotics from probiotic bacteria. MicroSintesis researches the postbiotic metabolites that are naturally produced by probiotic bacteria and are part of the microbiome barrier. MicroSintesis is on the forefront of postbiotic technology and developing biotechnological strategies to use postbiotics to reduce antibiotic use and reduce the symptoms caused by pathogenic bacteria by strengthening the microbiome barrier.

MicroSintesis has developed a unique technology that uses natural bioactive molecules produced by probiotics to reduce significantly the expression of the virulence genes by interrupting their natural communications system. This communication system is common among many pathogenic bacteria allowing for a broad spectrum effect. This results in a new way to reduce antibiotic use and create a first line of defense in the fight against antibiotic resistance bacteria.

MicroSintesis is currently searching for a Microbiology and Molecular Biology Technologist who will be involved in developing and validating biological assays.

More specifically:

- Prepare components, media buffers, and other solutions as needed
- Culture bacteria for gene expression (RNA extraction, cDNA preparation and qPCR)
- Extract DNA from environmental samples
- Follow experimental protocols and accurately document experimental data
- Setting up experiments and developing biological assays

Job Requirements:

- B.Sc. in biology, biochemistry or related field
- Must have completed a second year level molecular biology course
- Must have completed a second year level microbiology course
- Culturing aerobic and anaerobic bacteria
- Previous laboratory experience would be an asset
- Excellent interpersonal skills, including clear, succinct and timely communication
- Willingness to work as part of a team
- High Level of personal and professional integrity

Wages: Competitive hourly rate

How to apply: Please send your CV and a cover letter to [jroepke@microsintesis.com](mailto:jroepke@microsintesis.com) and quote "Microbiology and Molecular Biology Technician" in the subject line. Only qualified applicants will be contacted for personal interviews.

**MicroSintesis is an equal opportunity employer and all qualified applicants are encouraged to apply.**