

CAREER OPPORTUNITY AT BIO-TECHNICAL RESOURCES

BTR GENERAL DESCRIPTION

Bio-Technical Resources, a fully integrated industrial biotechnology company, provides innovative solutions for the development and improvement of biotechnology products and processes. Through contract services, BTR scientists and engineers engage in research and development in the areas of strain improvement, gene expression, biocatalysis, bioprocess development, scale-up, pilot-scale manufacturing, and strain and fermentation improvement, optimization, scale-up, and demonstration.

ASSISTANT RESEARCH SCIENTIST, MICROBIOLOGY/MOLECULAR BIOLOGY

RESPONSIBILITIES: Bio-Technical Resources is seeking an Assistant Research Scientist to work with supervision as a microbiologist and molecular biologist as part of a team developing new strains for the production of antibiotics, enzymes, metabolites, and proteins. The position involves generating and improving strains using strain engineering molecular biology techniques or classical mutagenesis, screening and selection. Routine microbiology tasks include: 1) media preparation and sterilization; 2) aseptic microbial strain maintenance and handling; 3) preparation of master and working cell banks; 4) setting up and carrying out shake flasks experiments and sampling; 5) harvesting of biomass and/or cell-free supernatant; and 6) analytics, such as growth curves, enzyme assays, and plating for enumeration of microbes. Specialized microbiology techniques include mutagenesis, screening and selection experiments. Routine molecular biology tasks include: 1) cell culture; 2) DNA extraction; 3) oligonucleotide primer design; 4) gene amplification by PCR; 5) molecular cloning; and 6) protein expression and analysis.

QUALIFICATIONS: A BA, BS or MS in microbiology with a molecular biology emphasis. A strong background in microbiology and routine molecular biology is essential. The candidate must: 1) be able to follow direction; 2) be willing to learn new techniques; 3) have experience with analytical methods for proteins including: protein concentration assays, SDS-PAGE, and Western blot; 4) have the ability to concurrently handle multiple tasks while working in a fast-paced environment 5) have superior attention to detail and good mechanical skills. The candidate must be organized and capable of keeping a reliable notebook, as well as, paper and electronic records of experiments.

EXPERIENCE: One to three years of work experience post-degree.

ELIGIBILITY: Applicants must be authorized to work in the United States. BTR is an equal opportunity employer.

More information is available at <https://www.biotechresources.com/careers/>. For confidential consideration, please forward your resume, along with Job Code number, to:

By Mail

Careers, Job Code # 117

Bio-Technical Resources

1035 South 7th Street, Manitowoc, WI 54220-5388

By Email

careers@biotechresources.com (including the Job Code # in the message subject line).