



## CAREER OPPORTUNITIES 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 and platform equity technology development programs, 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.

### RESEARCH SCIENTIST, FERMENTATION

**RESPONSIBILITIES:** Bio-Technical Resources is seeking an Assistant Research Scientist to work with supervision as a fermentation technician/operator as part of a team developing fermentation and biotransformation processes for the production of antibiotics, enzymes, metabolites, and proteins. The position involves implementation of fermentation and process development experiments. Common tasks include: operation of fermentation equipment including flasks, 1-liter, 14-liter, 60-liter and 250-liter fermentors; equipment set up and sterilization; media preparation and sterilization; aseptic microbial strain maintenance and handling; inoculation protocols; fermentation control and sampling; equipment cleanup and basic maintenance; operation of downstream process equipment including centrifuges, ultrafiltration, cell homogenizers, spray drier; and some analytical work. A strong background in microbiology is required. The job will require flexible hours, including some evenings and weekends, as fermentation processes often do not follow rigid schedules.

**QUALIFICATIONS:** A BA or BS in chemical/biochemical engineering, microbiology, or microbial physiology. A strong background in microbiology is essential. Six months or more of work experience operating fermentors in an industrial laboratory is required. The successful candidate must be able to take direction and work well as part of a team. The candidate must have good mechanical skills and be willing to learn new techniques including analytical instrumentation such as HPLC and GC.

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

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

By Mail

Careers, Job Code # 111  
Bio-Technical Resources  
1035 South 7<sup>th</sup> Street, Manitowoc, WI 54220-5388

By Email

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