

Microbiology Scientist

Who We Are:

EpiBiome is a great place to work. We are a fast-growing organization with a global focus located in the heart of San Francisco Bay Area's biotech scene—ground zero for innovation in the life sciences. We take pride in our collaborative and high-performing environment where every team member is enabled to make an impact and grow professionally. We offer an intellectually engaging work environment with a competitive compensation and benefits package. Our team is our greatest asset, and our people and their ideas inspire what we do and how we do it.

Our mission is to surveil microbial populations and to develop the technologies that will protect humanity against the rising global threat of antibiotic resistance. Our team is working at the cutting edge of science and engineering to revolutionize the way we approach problematic bacteria in humans, animals, and the environment. Humanity's continuing survival depends on it!

WHAT WE'VE ACCOMPLISHED:

Since its inception in late 2013, EpiBiome has broken away from the peloton to become a leader in precision microbiome engineering. Among its many accolades, EpiBiome was admitted into the inaugural class of Illumina Accelerator, won Johnson & Johnson Innovation' JLABS Quick Fire Challenge, secured a Bill & Melinda Gates Foundation Grand Challenges Explorations Grant and a US Department of Defense Discovery Award, gained entry to Springboard Accelerator and StartX, and won BIO's 2016 "Buzz of BIO" award. The company has received coverage in *Fortune Magazine*, *Nature*, *CNBC*, *Fierce Biotech*, *International Business Times*, *The San Francisco Chronicle*, *C&E News*, *Xconomy*, *TechCrunch*, and many other publications. EpiBiome has raised \$10 million to date and possesses a dedicated group of investors who believe in the company's mission.

OVERVIEW

This role will be primarily responsible for evolving our microbio platform to facilitate the high-throughput discovery and characterization of newly discovered bacteriophages. A solid understanding of core microbiology techniques and principles is essential along with the ingenuity to design new approaches. This individual should have knowledge and proficiency in pipetting technique, Good Laboratory Practices, proper chemical handling including storage and disposal, experience working in Biological Safety Level 2 environments, and ability to read and interpret documents such as safety rules and test methods.

ESSENTIAL POSITIONS AND DUTIES

Responsibilities of the role consist of:

- Developing, optimizing, and executing bacteriophage-based discovery and characterization assays for automation
- Running and optimizing experiments on the high-throughput automation platform
- General bacteriophage work (discovery, propagation, processing)
- Diligent recording of sample data and pertinent information as each sample proceeds through the workflow
- Scaling up existing pipelines to higher-throughput formats
- Designing and executing experiments independently along with self-directed troubleshooting as needed to improve the pipeline

Other duties include, but are not limited to:

General

- Support and performance of experiments related to technology development and validation
- Generating data to support manuscripts, grants and patents aligned with research priorities
- Clear and effective written and oral communication of research results and scientific ideas to company staff, collaborators, clients, and vendors

Lab maintenance

- Reagent preparation (sterile media, bacterial plates, buffers, etc.)
- Maintaining a clean, organized and stocked lab
- Sample database development and maintenance

QUALIFICATIONS AND EXPERIENCE:

Required

- Bachelor's or Master's degree in a biological science with working knowledge and a minimum of 3-5 years working experience with molecular biology and microbiology lab techniques
- Standard microbiology lab techniques (strain maintenance and subculturing, plating, titrating, isolation, measuring growth and viability)
- Highly organized and detail-oriented, including accurate lab notebook maintenance

- Must be able to work efficiently in a fast paced environment and be able to quickly accumulate new skills and knowledge and apply to troubleshooting and improving pipeline
- Must be highly motivated and have the ability to work independently as well as part of an interdisciplinary team with diverse backgrounds
- Strong analytical skills and the ability to design experiments, analyze data, and interpret and present results
- Must be comfortable in a high-risk, fast-paced early-stage startup environment
- Flexibility in schedule and adaptive to evolving job description

Preferred

- Ph.D. in a biological science
- Experience with laboratory automation and high-throughput screening techniques
- Understanding of bacteriophage biology and host-phage interactions
- Hands-on experience with bacteriophage techniques (induction, enrichment, plaquing, isolation)
- Background in working with CRISPR-Cas systems in prokaryotes
- BSL2 experience

POSITION DESCRIPTION

- Full time
- 40 hours/week
- Competitive benefits package

JOB LOCATION:

- Union City, CA

EpiBiome, Inc. is an equal opportunity employer & prohibits unlawful discrimination based on race, color, religion, gender, sexual orientation, gender identity/expression, national origin/ancestry, age, disability, marital & veteran status.

Interested candidates please send resume and cover email to: careers@epibiome.com