



Senior Scientist: Cell and Gene Therapy Process Development Lab

Genezen Laboratories is a rapidly growing CDMO providing development and manufacturing services to biotech clients in the fields of cell and gene therapy. We are addressing the growing demand for cell and gene therapy viral vectors by expanding our facility. We are searching for experienced, dedicated scientists to join the team at this exciting time.

Job Description:

The Process Development (PD) Senior Scientist is an individual with cell and gene therapy viral vector production and characterization assay experience. This position will oversee PD lab activities such as method development and execution, process development activities and production, scale-up and bioreactor operation and protein/viral vector purification. The PD Senior Scientist has employees directly reporting to them but is also hand-on in the lab daily to perform and oversee experiments. This position will ensure that technical advancement and meaningful outcomes are a priority and will work together with senior leadership to ensure that the PD Lab is part of the success of Genezen Laboratories.

Essential Duties:

- Manage two direct reports
- Assist management in identifying and hiring additional PD lab scientists who will report directly to the PD Senior Scientist
- Develop vector characterization assays such as genome titer by ELISA, qPCR, ddPCR, genome integrity assay, empty/full particle ratio assay, sterility and endotoxin assay, and cell-based assays to support gene therapy projects
- Maintain mammalian cell lines in tissue culture
- Aid in the development of novel *in vitro* assays
- Assist in work related to different flatware and adherent and suspension bioreactors including both small- and large-scale platforms
- Assist in the development of novel bioreactor platforms and equipment to support PD expansion
- Assist in tasks required to be performed in a BSL-1, -2, or -3 environments
- Write PD-associated protocols, PDPRs, procedures, methods SOPs, and reports
- Contribute to validation protocols and reports
- Oversee PD inventory supply and ordering
- Contribute to the support, optimization, and improvements of GMP products
- Working as a team with manufacturing, QA, and other departments as needed
- Contribute to the maintenance of laboratory equipment and laboratory support operations
- Prepare materials for *in vitro* experiments, including buffer exchange and material concentration
- Assist management in writing work proposals and project estimates for clients

- Maintain laboratory notebook

Skills and Requirements:

- MS or BS degree in molecular biology, biochemistry, chemistry or related field (minimum 5 years of post-graduation experience in related field)
- Experience in process development, testing, and/or assay development
- Hands-on experience with molecular biology techniques required, including: qPCR, ddPCR, Flowcytometry, DNA gel electrophoresis, SDS-PAGE, Southern Blot, ELISA, etc.
- Experience with mammalian cell culture required
- Previous experience working with gene therapy vectors
- Previous experience in molecular cloning
- Previous experience in protein or vector production and/or purification
- Desire to train and develop colleagues as well as being comfortable delegating tasks
- Ability to independently execute and analyze *in vitro* molecular biology experiments
- Technical, communication, and organization skills in a teamwork environment
- Strong verbal/written and interpersonal communication skills as a team player and willing to work in an environment where individual initiative, collaboration, and accountability are valued

Salary Range: \$75,000 - \$95,000

Candidates interested in this position should contact:

info@genezenlabs.com

Please include the name of the position that you are applying for in the subject line of your email.

Genezen Laboratories is located in Fishers, Indiana, a suburb of Indianapolis. Fishers was named the #1 place to live in the US by Money Magazine in 2017 for its livability, safety and entrepreneurship. Fishers is one of the fastest growing communities in Indiana and is dedicated to supporting a high quality of life for all its residents. Nearby Indianapolis is home to professional and college sports teams, the Indy 500 and the world's largest children's museum to name just a few reasons why this area is a great place to live.

