



Job details

Job type

Part-time

Job ID:

CPI-010

Location:

200 Powder Mill Rd., Bldg. 500, Wilmington, DE 19803

Category:

Research Laboratory

Employment Type:

Part-time

Work Location:

100% onsite

Overview

Research Technician - CAR T cell pre-clinical

About Cellergy Pharma

Cellergy Pharma is a privately-held biotechnology company that is developing novel CAR T cell products for treating severe atopic allergic diseases. The company is at the forefront of moving CAR T cells beyond the treatment of cancer, to the treatment of diseases caused by the immune system. Cellergy's patented EMPD and FcεRI chimeric antigen receptors target the cells that produce immunoglobulin E, the cause of all atopic allergic diseases. The company is developing proprietary CAR T cell products for the treatment of uncontrollable severe allergic asthma and severe food allergy. <https://cellergypharma.com>

About the role

Pre-clinical lab developing next generation cellular immunotherapies focused on CAR T cell immunotherapy for severe allergic diseases is looking for an exceptionally motivated individual to join the lab team of Cellergy Pharma. The lab takes projects from transgene design/genetic engineering, through reduction to practice, *in vitro* and *in vivo* studies, and ultimately translation to the clinic. The position involves mammalian cell culture, flow cytometry, molecular biology (plasmid construction), viral vector packaging, viral transduction to generate gene modified immune effector cells.

This is a part-time, entry-level position that can progress to a full-time position. It is a great stepping-stone to the exciting, high-growth field of CAR T cells. We are looking for an



enthusiastic, self-motivated, independent thinker with a tremendous work ethic who wants to grow with a cutting-edge company. The position will require great planning and organizational skills. An ability to work well independently, take initiative, and creatively problem solve are a must. Normally receives detailed instructions on all work.

The research technician will assist scientists in performing scientific research and development of varying complexity. In general, they will assist in the set up, operation and maintenance of laboratory instruments and equipment, monitoring experiments, making observations and calculating and recording results.

This part-time position will also include some general lab duties as outlined below.

This position will start Q1 2024.

Responsibilities

Basic biochemical, molecular, and cell biology skills as the applicant's contribution is expected to contribute significantly toward developing research projects.

Package lentiviral vectors using 293T cells, concentrate and titer lentiviral vectors.

DNA manipulation for experimentation, including designing, planning and executing cloning of CAR-T cell constructs using traditional cloning techniques as well as infusion cloning, T-cell transductions using lentiviral vectors and ELISA assays.

Run assays with readouts in one or more of the following formats: flow cytometry, enzyme-linked immunosorbent assay, and other bead-based and colorimetric assays.

Design new CAR constructs that utilize novel signaling domains to achieve specificity and efficacy.

Generate CAR T cells through lentiviral transduction of primary T cells.

Opportunities to design and perform experiments both individually and collaboratively, and address problems in experimental protocols.

Analyze experimental data and interpret results to write reports and summaries of findings.

Expected to participate in formal and informal presentations of results.

Participate in grant application process and manuscript preparation as required.

Maintains detailed notebook of all work-related activities.

Expected to provide intellectual and interactive commitment to position by keeping up with appropriate literature and research publications.

Responsible for the development, modification and improvement of standard operating procedures.

Set up, adjust, calibrate, clean, maintain and troubleshoot equipment.

Clean, maintain and prepare supplies and work areas and may be responsible for ordering of supplies.

May be responsible for the examination of animals and specimens to detect the presence of disease or other problems.

Bachelor's degree required with a minimum of 1-4 years related experience.

For consideration: Please send your resume to: rdudek@cellergypharma.com.