

Position: Research Associate/Sr. Research Associate/Associate Scientist

Location: On-site in the San Francisco Bay area

Report to: Director, Cell Engineering

About us:

Cellinifinity Bio is a revolutionary biotech based in New Haven, CT and San Francisco, CA, aimed to improve the current standards of cell therapies for cancer and beyond. Recently spun off from Yale, Cellinifinity Bio leverages proprietary, next level gene editing platforms for highly efficient engineering of therapeutic immune cells to develop the best cell therapy candidates that can overcome the hurdles in today's cancer treatment.

The Role:

Cellinifinitybio is seeking highly motivated Sr Research Associates/Associate Scientists to join stem cell derived immune therapy and protein engineering team. The successful candidate will play a crucial role in the development of cutting-edge immune therapies against solid tumors.

In this role, the candidate is expected to develop and research on various aspects of chimeric antigen receptor (CAR) engineering by using Cellinifinity platform. The candidate is also expected to perform technical experiments, including but not limited to: cell culture, flow cytometry-based assays, cell cytotoxicity assay, CAR design, scFv optimization and lentiviral and AAV6 based transduction. A good understanding of HSC, iPSC culture and differentiation protocols and NK and T cell biology is important. We are looking for candidates who enjoy working in a team and can leverage the growth opportunities that an early startup provides. This is an exceptional opportunity for someone who is excited about cell therapy development and pioneering scientific efforts.

Essential Duties and Responsibilities

- Mammalian cell culture, including various primary and adherent cell lines and primary immune cells.
- Functional and phenotypic characterization of immune cells by using flow cytometry and other techniques.
- Gene editing of cord blood cells or primary immune cells by using lentiviral, AAV6 and CRISPR based approaches.
- Cell cytotoxicity and other functional assays including degranulation, cytokine secretion and metabolic fitness.
- Cytokine estimation and protein profiling
- Develop reagents and assays to support CAR binder generation and characterization.
- Maintain organized, detailed records to support internal documentation and regulatory requirements.

- Coordinate lab operations, such as equipment maintenance and ordering of consumables, as needed.
- Coordinate experiments with other scientist and RAs, data compilation and presentation

Desirable or Optional:

- Immunology background particularly in NK and T cells development and function.
- Stem cell background particularly in iPSC culture and differentiation
- Experience in process development and optimization
- scFv screening and library generation or biopanning

Educational Requirement

1. MS or BS in Immunology, Bioengineering, Cell Biology, Developmental Biology, Molecular Biology, or related fields with over 1-2 years of immune cell therapy related academic or industry experience.