

Scientist/Senior scientist/Principal scientist

About us:

Cellinifinity Bio is a revolutionary biotech based in New Haven, aimed to improve the current standards of cell therapy 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:

Cellinifinity Bio is looking for a Scientist / Senior scientist / Principal scientist level position with expertise in cellular immunology and gene editing. In this role, the candidate is expected to work with the Director of Biology and perform key scientific experiments to develop Cellinifinity Bio's product and platform. The candidate will design and perform technical experiments, including but not limited to: gene editing through CRISPR or non-CRISPR methods, designing and manufacturing viral and plasmid vectors, CAR construction and testing, therapeutic cell engineering, flow-cytometry based immunophenotyping, *in vivo* manipulation of mouse tumor models, and *in vitro* cytotoxicity and other phenotypic assessments. A good understanding of CMC and pre-clinical development for cell therapy will be a big plus.

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.

Responsibilities:

- Design and perform *in vitro* assays, such as but not limited to: molecular cloning, CRISPR/non-CRISPR genetic screens, immune cell culture and cell line development, cell cytotoxicity assays, co-culture assays, ELISA/ELISPOT, flow cytometry and flow-based cell sorting.
- Design and perform *in vivo* techniques, such as adoptive cell transfer, induction of murine tumor models, mice injections/handling, tissue isolation, and measurement of phenotypic readouts.
- Develop new experimental protocols around gene editing of therapeutic immune cells.
- Regularly present experimental findings to the Director of Biology and the leadership team.
- Collaborate with other biology team members.
- Maintain extremely clean records of experimental schemes and organized data at different levels.
- Help draft progress reports, summaries for patent applications and/or scientific publications.

Qualifications:

- PhD in immunology, genetics, bioengineering, or a related field with 2-4 years of postdoctoral experience or industry experience. Exceptional PhDs without postdoc experience will also be considered.
- Strong capability of independently designing experiments and leading the execution of experiments.
- Advanced knowledge and manipulation of viral vectors, genetics, high-dimensional flow cytometry, flow-based cell sorting, and *in vivo* assessment.
- Technical expertise in gene editing, cell engineering and mouse/human immunology.
- Passion for therapeutic development such as cell therapy and cancer.
- Strong publication, patent and/or drug development record.
- Excellent oral/written presentation skills.

Cellinifinity Bio is an equal opportunity employer.

Cellinifinity Bio will provide a competitive compensation package based on the level of the experience of the candidate. Interested applicants should submit their resume and cover letter to philip.kong@cellinifinitybio.com.