
## Scientist / Senior Scientist, Cancer Immunotherapy

- Full-time position
- Competitive compensation (Salary, Benefits & Options)
- 180 Varick Street, New York, and 430 E 29th Street, New York

**Waypoint Bio** is a VC-backed biotech startup building the next generation of cell therapies for solid tumors, including CAR-T, CAR-NK, and TCR-T. Traditional cell therapy development faces a trade-off between *in vitro* approaches that are fast but inaccurate, and *in vivo* approaches that are accurate but slow and expensive. Using our proprietary platform combining multiplexed microscopy, pooled screening, *in silico* protein engineering, and machine learning, we can obtain both depth and breadth when screening cell therapy candidates – speed without compromising on *in vivo* accuracy. Our team is highly collaborative, interdisciplinary, and shares the mission of bringing the promise of immune cell therapy to all cancer patients.

**Position Summary:**

We are seeking a highly-motivated, creative scientist who thrives in a fast-paced and collaborative environment. The ideal candidate will have extensive expertise designing and using *in vivo* approaches to test the efficacy & safety of cancer immunotherapies, and will have deep technical knowledge of the immune system and the tumor microenvironment. In this position, you will design and implement novel assays to assess the anti-tumor activity of CAR-T and CAR-NK cells, apply and optimize Waypoint's multiplexed imaging platform to detect protein/RNA biomarkers in cell culture and tissues, and work with CROs and other scientists to develop new mouse cancer models. You will work collaboratively with computational and wet-lab scientists on every step of the pre-clinical therapeutic development process, from the initial design and screening of cell therapy constructs, subsequent ranking & filtering, and further optimization to obtain finalized therapeutic candidates.

**Duties and Responsibilities**

- Independently design and execute experiments to test the efficacy and safety of cell therapy candidates (CAR-T, TCR-T, CAR-NK) *in vivo*.
- Design humanized, patient-derived xenograft (PDX) mouse cancer models to evaluate therapeutic candidates using *in vivo* biomarkers.
- Apply Waypoint's multiplexed microscopy platform for detecting protein and RNA biomarkers in cell culture and tissue sections (immunofluorescence & immunohistochemistry, FISH-based assays)
- Design and implement approaches for pooled library cloning.
- Introduce new technologies and improve the performance, throughput, and accuracy of existing assays.
- Actively engage in prioritizing key milestones and developing appropriate timelines.
- Provide conceptual input on experimental design and interpretation in a team setting.
- The successful candidate will be able to tackle new problems independently while also working as part of a team with a unified goal.

**Required Qualifications**

- Ph.D. in Immunology, Cancer Biology, Developmental Biology, Cell Biology, or a related field.
- Expertise in designing, testing, and evaluating cancer immunotherapies, including cell therapies (CAR-T/NK, TCR-T), monoclonal antibodies, or checkpoint modulation.
- 2+ years of academic or industry experience working with primary immune cells or cancer disease models, including *in vivo* or organoid models.
- Expertise and knowledge of the interplay between the immune system and the tumor microenvironment.
- An excellent scientific track record with published papers or recent experience in the fields of immunology, cancer biology, protein engineering, or drug discovery.
- Superb written and oral communication skills, and the organizational abilities to pursue several projects on tight timelines.

**Preferred Qualifications**

- Hands-on expertise in microscopy including confocal, light-sheet, super-resolution, or live-cell imaging.
- Technical expertise in tissue dissection, sectioning, and immunohistochemistry or RNA detection.
- Knowledge of animal dosing, serum biomarker analysis, and animal phenotyping with cancer models.

**Send CV and cover letter to apply:**

jobs@waypointbio.com