

Job Summary: Senior Scientist (Cytokine Signaling)

Project 5 is a startup biotechnology company dedicated to the development of novel cell therapies for the treatment of cancer. The company was founded on pioneering work carried out in the laboratories of Dr. Carl June and Dr. Andy Minn at the University of Pennsylvania and founders at UCSF. This includes breakthroughs in the delivery of novel therapeutic agents by engineered T cells, combination of CAR-T cells with oncolytic viruses, and development of next-generation synthetic gene circuits. Our goal is to develop a suite of therapeutic modalities to interrogate and therapeutically alter the course of human disease.

We are seeking a highly motivated PhD-level candidate to join our team and take advantage of our state-of-the-art cell therapy systems capabilities to discover novel cell therapy approaches. This position will report directly to the Director of Oncolytics and focus on the development of novel construct designs that incorporate designer proteins and other therapeutic candidates into Project 5's core CAR-T platform. We are supported by multiple lead venture capital firms and are based in downtown Philadelphia, PA with integrated lab facilities at the renowned Curtis Center.

Join Project 5 as an early team member to help define our science, culture, and future success. We offer a highly competitive compensation package with meaningful ownership.

Job Responsibilities:

- Design, test and compare chimeric receptors in primary human and mouse T cells
- Execute research-scale CAR-T manufacturing and testing
- Execute in vitro assays to evaluate cytokine signaling in CAR-T cells
- Manage CROs conducting in vivo experiments
- Communicate experimental findings in team meetings
- Analyze, document, and report laboratory data in accordance with Project 5 SOPs
- Present data and future experimental designs in meetings with scientific leadership

Skills & Qualifications:

- PhD in Immunology, Cell Biology, Biochemistry, or similar
- Hands-on experience with primary T cell culture techniques
- Experience with human T cell biology and assays
- Experience with data visualization
- Ability to independently execute and interpret experimental assays related to construct design and utilization
- Collaborative attitude and experience with cross-functional teams
- Excellent organizational and planning skills and ability to work in a flexible and fast-paced entrepreneurial environment
- Strong verbal and written communication skills around complex data sets and dedicated work ethic
- COVID vaccination required