

Job description

Allogene is seeking a head of Protein Engineering to support our allogeneic CAR T cell drug development portfolio. The successful candidate will report directly to the Chief Scientific Officer, be part of the research leadership team and contribute to overall scientific strategy. The role will include designing a strategy involving both building in-house expertise and leveraging external vendors to supply an end to end suite of protein engineering capabilities including antigen generation, antibody discovery, biophysical characterization of materials and all activities to support research of a team of biologists across multiple tumor indications. The head will also be responsible for leading a technology development effort, working closely with biologists to bring detailed knowledge of structural biology, protein engineering principles and biological knowhow to generate novel CAR T modifications to drive activity, persistence and selectivity of CARs. Candidates must be interested in working in a fast-paced, highly dynamic environment with effective collaboration as an essential goal. Excellent communication skills, the ability to think strategically and to efficiently manage resources will be essential. The ideal candidate will have a demonstrated track record of success preferably in an industry setting with expertise in CAR T research.

Responsibilities

- Assemble and maintain an integrated protein engineering team by identifying key internal hires and a resource-sparing outsourcing approach
- Oversee antibody discovery and engineering efforts for pre-clinical evaluation as CAR T cells
- Oversee biophysical and biochemical characterization of all proteins
- Work within multi-disciplinary teams and prioritize resources to support multiple programs
- Contribute to developing the next generation allogeneic CAR T cell platform by leading protein engineering efforts
- Evaluate and incorporate new technologies to support antibody discovery and engineering and protein engineering
- Determine magnitude and scope of external protein engineering collaborations

Requirements

- PhD in molecular biology, biochemistry, chemical engineering or a related discipline
- 10-15 years of experience in antibody based drug discovery and engineering acquired in both an academic and industry setting
- Expert in antibody discovery and engineering with deep knowledge of state-of-the-art technologies and methodologies
- Experience building and leading a team to successfully provide antibody and protein engineering functions
- Demonstrated track record of successfully collaborating within cross-functional teams and overseeing multi-disciplinary projects
- Ability to thrive and adapt in a dynamic, fast paced environment
- History of publication in high-impact journals demonstrating dedication to innovation

- Experience with CAR T cell and antibody discovery and engineering is essential
- Experience in engineering non-antibody based proteins is highly desired