

Position:

Research Scientist

Summary:

Cerberus Therapeutics uses an alpaca-derived single domain antibody fragment (VHH)-based platform to create novel therapeutics for immune modulation. Cerberus' infectious disease platform employs engineered nanobodies that recognize antibody light chains. These nanobodies are combined with small molecule antivirals or pathogen specific nanobodies to create powerful adducts. These adducts are strategically designed to activate the complement system and engage polyclonal antibodies, mounting a robust protective response against the recognized pathogen.

Location:

Cambridge, MA

Description:

Cerberus Therapeutics is seeking a highly motivated and collaborative scientist to join our biology research team. Since we are an early-stage startup, all employees will be an integral part of growing the company and formulating Cerberus' culture and vision.

This Research Scientist will utilize scientific expertise in cellular biology and immunology to support preclinical programs. This individual will help develop in house assays with the goal of investigating the efficacy of Cerberus' novel therapeutic leads as treatment for infectious diseases. The ideal candidate will have a diverse experimental skill set, an understanding of bioanalytical assay development, and have the ability to thrive in a fast-paced, changing environment. This candidate will have the opportunity to impact the future direction of Cerberus' platforms.

Key responsibilities:

- Characterize the cellular activity and downstream immune response using in vitro and ex vivo model systems.
- Design, execute, and troubleshoot immune cell assays in primary cells and cell lines to characterize the efficacy of Cerberus' novel therapeutic candidates.
- Maintain mammalian cell lines and primary human cells/samples in tissue culture.
- Work collaboratively within a multi-disciplinary scientific team to plan and execute experiments.
- Demonstrate a mastery of relevant scientific literature and advances in the areas of cellular immunology and immune-mediated disease indications of interest to Cerberus.
- Conduct literature searches and communicate understanding in internal forums as well as with external collaborators and partners.
- Organize and present experimental results to team members and external partners.

Minimum qualifications:

- A Ph.D. in Microbiology, Molecular/Cellular Biology, Immunology, Biochemistry, or a related discipline with 0-2 years of relevant experience.
- Extensive hands-on experience with a variety of molecular, cellular, and biochemical approaches such as flow cytometry, confocal microscopy, ELISAs, multiplex assays.
- Experience in cell based functional assays (immune cell activation, co-culture systems, proliferation, phagocytosis, cytotoxicity assays).
- Experience with maintaining primary human cells/samples in culture.
- Knowledge of respiratory diseases in human and animal systems is preferred.
- Ability to work independently as well as collaborate with colleagues and effectively prioritize and manage multiple tasks in a fluid, fast-paced work environment.
- Scientifically rigorous, highly organized, with excellent oral and written communication skills

How to apply:

Interested candidates should send their CV and cover letter to careers@cerberustx.com. We are an equal employment opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, national origin, disability status, protected veteran status or any other characteristic protected by law.