

SCIENTIST, IN VIVO PHARMACOLOGY

Bolt Biotherapeutics has an exciting opportunity for a highly motivated immunologist or pharmacologist to implement Bolt's unique, cutting-edge science and strategy across multiple programs.

KEY RESPONSIBILITIES

The successful candidate will plan, implement, and analyze in vivo immuno-oncology studies to define the mechanism of action of novel agents and progress programs to IND and into the clinic. This position will report to a Senior Scientist leading a team within the In Vivo Pharmacology group.

JOB DUTIES

- Design and execute xenograft and syngeneic tumor studies and complementary in vitro assays to assess the efficacy and mechanism of action of novel ISACs and other immune-stimulating compounds.
- Develop tumor models and experimental systems to enable in vivo studies for new therapeutic targets and other project-specific needs.
- Serve on internal project teams and provide scientific expertise. Serve as in vivo team lead on projects when appropriate.
- Effectively communicate strategy, methodology, progress, and challenges to stakeholders and partners, including senior executives.
- Support the In Vivo Pharmacology group consisting of both Ph.D and non-Ph.D. scientists.
- Follow standards for scientific rigor and excellence and help build a culture of innovation that is fully aligned with the therapeutic objectives of Bolt Biotherapeutics.

JOB REQUIREMENTS

- Ph.D. in pharmacology, immunology, cancer biology, or similar with 1+ years of drug development experience in an industry setting, or 2-3 years of postdoctoral training in immunology/immuno-oncology.
- A strong background in immunology, tumor immunology, and/or myeloid cell biology is greatly preferred.

KEY RESEARCH SKILLS, TECHNIQUES, EXPERIENCE

- Expertise in murine and human tumor models, including design and execution of xenograft and/or syngeneic mouse tumor studies, rodent handling, tumor measurements, drug administration, tissue processing, and primary cell isolation.

- Proficiency in analytical techniques including multicolor flow cytometry, ELISA and other immunoassays, cytotoxicity and proliferation assays, and gene expression analysis.
- Working understanding of the tumor microenvironment in xenograft and syngeneic rodent tumor models.
- Experience in the phenotypic and functional characterization of immune cell populations in tumors and other organs.
- Mammalian tissue culture techniques for cell lines and primary cells.
- An understanding of myeloid cell biology highly desirable.
- Ability to conduct research independently and manage distinct packages of work.
- Strong presentation and written communication skills. Strong collaborative skills.

WORKING CONDITIONS/PHYSICAL DEMANDS

This is a research position that requires working in a laboratory environment with hazardous chemicals. Protective clothing, gloves and safety glasses are required while working in the lab. This position requires the ability to lift containers or instruments (up to 25 pounds) and work standing at a fume hood or lab bench for extended periods.

TRAVEL REQUIREMENTS

Limited travel may be required, including domestic and international (5 - 10%)