



Scientist / Senior Scientist, In Vitro Pharmacology

Company Description

Tektonyx Bio is focused on the use and optimization of a semi-synthetic *E. coli* organism for the production of novel protein therapeutics. We harness the power of a revolutionary technology based on *E. coli* that has been engineered to utilize an expanded genetic alphabet composed of the four natural nucleotides and two additional, synthetic nucleotides. This technology allows the encoding and production of custom proteins with site-specific functionalities for the discovery and development of novel protein-based therapeutics.

Key Responsibilities

- The Scientist / Sr Scientist, In Vitro Pharmacology will lead the design, optimization, and execution of in vitro assays to evaluate a variety of modalities including drug / oligo conjugates and T-cell engagers.
- Deliver high quality data to drive progression of pipeline programs. Collaborate closely with Molecular Engineering, Strain Engineering, Downstream, and Chemistry teams to design, analyze, and refine compounds.
- Exhibit and maintain a high level of technical proficiency and scientific acumen within the field of in vitro pharmacology. Pursue innovative experimental techniques and emerging scientific tools to further the characterization of compounds and advancement of programs.

Basic Qualifications

- PhD in a field related to Pharmacology or Immunology with a minimum of 2 years experience. Exceptional candidates without a PhD may be considered.
- Significant cell culture experience with primary and immortalized cell lines (isolation, handling, expansion, and characterization of human immune cells).
- Experience with generating dose response curves & IC50 values for drug candidates.
- Flow cytometry experience is required.
- Experience with antibody drug conjugates is highly desirable.
- Expertise in T-cell biology including isolation, activation, expansion, cytotoxicity, proliferation, and cytokine profiling is beneficial.

- Experience with handling human blood, leukopak processing, and PMBC isolations is beneficial.
- Experience with cell line engineering (CRISPR, lentiviral etc) is a plus.
- Experience with live cell imaging (e.g. Incucyte) is a plus.
- Excellent written and oral communication skills; strong organizational skills and attention to detail.
- Ability to manage multiple tasks efficiently while meeting deadlines.
- Proven ability to quickly learn and apply new laboratory techniques.
- Tektonyx Bio places a premium on intra-company collaboration, and thus the desire to interact closely with all facets of the effort to develop and use the semi-synthetic organism for novel therapeutic protein production is a must. The successful applicant should also enjoy and excel at working collaboratively on fast-paced projects with rapidly evolving goals.

Additional Information

A competitive salary will be offered for this position, based on a number of factors including qualifications and experience. Tektonyx Bio also offers a comprehensive and generous benefits package. To apply for this position, submit a resume and cover letter describing your experience, interests, why you are interested in joining us, and any other information that you would consider relevant to careers@tektonyxbio.com

Alternatively, one may apply via LinkedIn at <https://www.linkedin.com/jobs/view/4399695233/>