



## COMPUTATIONAL BIOLOGIST

Lantern Pharma is seeking a talented and highly motivated computational biologists and bioinformatics scientists to build and enhance our drug positioning AI platform that can predict drug response, therapeutic benefit and survival outcome of cancer patients, and generate biomarkers for specific cancer types for a drug candidate of interest.

You come with a passion to solve world problems in cancer treatment using bioinformatics and computer science with an involvement in optimizing our core bioinformatics workflows, computational and AI-based algorithms to improve their level of robustness, effectiveness and efficiency.

### RESPONSIBILITIES

1. Computational Analyses of Diverse Data Models, Simulations and Predictions
  - Delivering computational analyses of various biological data such as RNAseq, NGS, molecular profiling, proteomics, mutation, methylation data to find potential biomarkers and signature patterns associated with cancer drugs
  - Integrating clinical data with RNAseq data to identify 'druggable' tumor signaling pathways and biomarkers that might guide clinical trial enrollment
  - Optimize existing pipelines, workflows, and systems, as well as help establish new ones
2. Improve, Develop, and Enhance Data Models, Analyses, and Processes
  - Improving the existing biological gene selection methods using systems biology
  - Developing new methods to identify biomarkers and stratify patients using Bioinformatics, Machine and Deep Learning algorithms
  - Developing bioinformatics pipelines to automate established analysis process
  - Enhancing the data collection process and procedures by utilizing the public portals
3. Collaborate and Present Publications and Research
  - Working closely with Data Scientists, Computational Biologists and Lead Scientists in both India and US to maximize the robustness of our AI platform
  - Retrieve and organize complex data types and structures then present publications and posters at top biotech/biopharma conferences

### REQUIREMENTS & EXPERIENCE PREFERRED

- Excellent educational background in Computational Biology, Bioinformatics, Biostatistics or other related field (Ph.D. level preferred). **Prior exposure and knowledge of cancer biology preferred.**
- More than 2 years of industry experience in omics analysis (gene expression, mutation, drug sensitivity)
- Experience in analyzing clinical trials data and patient stratification strategies using omics datasets (Experience in Proteomics and Metabolomics is a huge plus.)
- Proficiency in programming, querying, scripting or statistical analysis languages such as R, Python & Perl

Lantern Pharma provides multiple growth opportunities and as an early employee, your work will have a direct impact on precision oncology that can change the drug development and clinical trial model. In addition to attractive compensation, and benefits, we offer perks like unlimited vacation/sick days, subsidized gym memberships, and global travel opportunities to leading conferences and industry trade shows.

