

## SENIOR RESEARCH SCIENTIST

Initiating, directing, and executing scientific research and development that is critical to Lantern Pharma's corporate strategies and success, applying multidisciplinary scientific methodologies to potential inventions, and incorporating a wide variety of scientific principles and concepts in problem solving.

### RESPONSIBILITIES

#### Management

- Focusing on advancing Lantern's portfolio of novel drug candidates for prostate, ovarian, lung, and other cancers
- Organizing and reviewing historical documentation of portfolio drug candidates and creating accessible data rooms
- Interfacing with relevant team members involved in preparing biomarker-based preclinical and clinical development plans and regulatory submissions, and with consultants or contractors for preclinical and clinical developmental work
- Interacting with team members in Business, Research, Clinical Development and Medical Affairs areas to identify key gaps in scientific and clinical knowledge and synthesize research plans to generate the needed data, either internally or via research collaborations
- Driving operational efficiency by demonstrating a clear understanding of budgeting, timelines and contracts

#### Manufacturing

- Understanding CMC principles and modules, API synthesis chemistries, and formulation development requirements for portfolio drug candidates
- Identifying CMOs and coordinating and managing manufacturing operations

#### Preclinical

- Assisting in biomarker, drug, and diagnostic co-development by designing cell line and tumor biopsy studies to evaluate portfolio drug candidates
- Playing a meaningful role in authoring preclinical study reports and other public manuscripts documenting our results

#### Clinical

- Consulting with clinical statisticians on design and structure of precision trials
- Playing a central role in new discovery and early-stage clinical studies from conception to completion by ensuring that studies are designed with sufficient power, use appropriate endpoints, and have sufficient involvement with key partner sites

#### Communication / Coordination

- Preparing scientific presentations, white papers and executive summaries for potential partners/ investors/ collaborators
- Working on grant submissions and funding opportunity proposals
- Managing the day-to-day project and scientific communication internally and externally

- Creating summaries related to Lantern's portfolio and technology platform for web content, social media, and print
- Coordinating with Lantern's computational biology and machine learning experts to analyze and interpret biomarkers candidates, facilitating the team's understanding of cancer biology, and hypotheses and rationales behind the processing of biological data
- Working with Lantern's data scientists to assist in data gathering and performing statistical and pathway analyses to ensure key results and insights are integrated into further downstream analyses

### **JOB SPECIFIC KNOWLEDGE & SKILLS**

- Experience and knowledge of cancer pathophysiology, biological processes, drug mechanisms, biomarker studies for drug screening and patient stratification studies
- Demonstrated fluency in development of research communications, including SOPs, work protocols, patient consent forms, program and project briefs, and grant proposals
- Experience with data analysis and benchmarking with contemporary methods being used or implemented in the field and industry
- Experience in DNA / RNA sequencing and knowledge of accessible oncogenomic databases
- Practical knowledge in cellular assays, including viability/ cytotoxicity assays, in cell line and organoid models, familiarity of various endpoint assays to support drug programs
- Developing and applying complex in vitro assays including cell lines and advanced tumor spheroid and co-culture studies
- Understanding of biospecimen processing to isolate and culture primary cells, especially from solid tumors and molecular characterization of the same
- Familiarity with standard scientific protocols and techniques such as high throughput compound screening, western blotting, qPCR are highly desirable
- A record of being a self-starter and a team player with strong interpersonal communication skills (written and oral) who establishes and nurtures highly effective relationships with colleagues and key stakeholders to support and advance project goals and objectives
- Critical thinking with a solutions-oriented mindset, motivation to work effectively and collaboratively in a dynamic environment, and strong organizational skills and conflict resolution abilities while working with and managing interdisciplinary teams
- Characteristics that exemplify relentlessness, passion and focus that will translate into significant contributions towards building a global company
- Creative and strategic thinker able to adapt to a high-growth, fast-paced environment
- Communicating complex issues in a simple way, orchestrating plans to resolve issues and mitigate risks

### **PREFERRED QUALIFICATIONS & EXPERIENCE**

Excellent educational background in science with a PhD in Biochemistry, Pharmacology, Genetics or other biomedical science related fields having published original research and 3-4 years of exposure to preclinical and/or clinical therapeutic applications.

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.