

## Senior Research Associate – *in vivo* Pharmacology

Onchilles Pharma is a start-up company founded on breakthrough research that was the first to describe that human neutrophils release a major anticancer protein, called ELANE, that broadly and selectively activates cell death pathways in cancer cells. This fundamental pathway of the innate immune system has the potential for universal anti-cancer activity, independent of genetic mutation. Based on this research, Onchilles is developing a pipeline of first-in-class biologic drug candidates with the potential to be broadly effective against a wide range of cancers.

**Overview:** The Senior Research Associate will conduct hands-on experiments including *in vivo* efficacy, pharmacokinetic/pharmacodynamics studies and a wide variety of cellular biology, molecular biology, and biochemical assays. This position requires the ability to complete scientific and technical tasks independently on aggressive timelines, to troubleshoot technical issues, and to work as part of a team on multiple projects with changing priorities. Attention to detail, exceptional oral and written communication, and strong computer and instrumentation skills are required.

### Responsibilities:

- Coordinate with Scientific teams to achieve company objectives, specifically through the execution of experimental designs with limited supervision. Must be self-driven
- Perform ELISA assays using cell culture media, plasma and tumor samples as well as summarize data
- Culture and maintain cell lines and primary cells, for cell-based assays. Extensive experience with immune cells is a required
- Proficiency in the isolation and characterization of blood cell subpopulations employing cytometry and additional methods for immune cell analysis
- Manage mammalian cell stock inventory
- Implement complex cellular assays (flow cytometry, lymphocyte quantification, T cell stimulation, etc.)
- Construct subcutaneous, orthotopic and other types of tumor syngeneic and xenograft models to validate the biological functions of cancer targets and evaluate the efficacy of therapeutic candidates.
- Administer therapeutic agents through different routes (including intraperitoneal, intravenous and oral)
- Monitor effects on tumor growth, metastasis, survival and overall animal health.
- Perform pharmacokinetic/pharmacodynamic studies.
- Adhere to all local, state, and federal guidelines concerning the use of animals in research.

- Analysis of cellular and biochemical markers and biological properties of cells from fresh tissue samples, including human and mouse immune and cancer cells, by combination of magnetic cell sorting, flow cytometry (FACS), multiplexed methodologies.
- Summarize all *in vivo* data sets in power point slides and prepare study reports
- When required present the data at project team meetings and other forums
- Coordinate with other lab members day-to-day lab activities including equipment maintenance, reagent orders, restocking consumables, etc.
- Effective work and communication with group members and contract research organizations, in a dynamic and fast paced environment to accomplish goals
- Meet objective within defined target timeframes

#### **Qualifications:**

- Bachelor's degree in cellular biology, molecular biology, biochemistry, or a related field
- 3-5 years of relevant laboratory experience in an academic or industrial setting; at least 2 years of experience performing *in vivo* experiments following IACUC protocols
- Experience with tumor implantation, tumor measurement and, IV, IP and oral dosing
- Experience and comfort working with BSL-2 agents using appropriate procedures including aseptic/sterile technique, specifically for mammalian cell culture
- Experienced in functional assays to evaluate biological properties of mouse and human immune cells ex-vivo (e.g., cytokine release, cytotoxicity and proliferation assays).
- Strong computer skills, including MS Word, Excel, PowerPoint, GraphPad Prism, Plate-readers and data analysis software
- Experience in biotech or pharmaceutical industry preferred.
- Should not have animal allergies

#### **Work Environment:**

This job operates in a professional office and/or laboratory environment. The role routinely uses standard office and lab equipment and tools.

#### **Physical Demands:**

The employee is frequently required to communicate with peers, clients and scientific advisors; is frequently required to remain in a stationary position (desk, lab bench) and move self throughout laboratory bench and vivarium areas; is constantly required to operate a computer and standard lab and office equipment and tools; is occasionally required to ascend/descend stairs or ladders; and is occasionally required to lift and/or move up to 25 pounds.

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be construed, as an exhaustive list of all responsibilities,

duties and skills required. The information provided is representative in that the qualifications and physical demands must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodation may be made to enable qualified individuals with disabilities to perform the essential functions.

**Benefits & Additional information:**

We are dedicated to building a team of smart, enthusiastic, creative and self-motivated people passionate about science and curing cancer in a start-up environment. We offer the benefits of large pharma companies. Our employees and their dependents are eligible for medical, dental, vision, life and LTD insurance with a 90% - 100% company contribution. We provide a 4% automatic and immediate match to retirement savings and a generous amount of time off through our vacation, paid holiday, sick and floating time off programs (over 40 days!). Our employees also enjoy many other company perks like a free gym membership, monthly events, other supplemental benefits and cost-free work-life balance programs. We work at the state of the art, LEED-Gold Certified, GradLabs space with a brand-new laboratory, training rooms, and Cafe and lounge areas.

Reasonable accommodation may be made to enable qualified individuals with disabilities to perform the essential functions of our jobs. We are an equal opportunity employer, celebrate diversity and are committed to creating an inclusive environment for our employees. We provide a work environment of mutual respect where equal employment opportunities are available to all applicants and teammates without regard to any characteristic protected by law. For additional information or to apply, please contact [hr@onchillespharma.com](mailto:hr@onchillespharma.com)