**Scientist/Senior Scientist, Immunology**

Seismic Therapeutic is a biotechnology startup focused on the intersection of structure, protein engineering, machine learning and immunology. Seismic Therapeutics seeks an experienced and motivated Scientist/Sr. Scientist to help drive novel immunotherapy programs. The candidate must be independent, goal oriented, flexible, and able to work efficiently across multiple projects. We are searching for enthusiastic, and innovative individuals with a deep scientific background in immunology, who thrive in a fast-paced, entrepreneurial environment.

**Responsibilities:**

* Co-lead internal drug discovery program(s), assume responsibility for *in vivo* and *in vitro* preclinical studies to deeply characterize drug candidates
* Independently design, develop, analyze, and troubleshoot experiments
* Mentor others in the design, execution and analysis of experiments that support programs
* Make independent, intellectual, and technical contributions to projects, while working collaboratively within the Seismic team
* Communicate results to both internal and external stakeholders
* Strong interpersonal skills to foster an open and collaborative environment

**Basic Requirements**

* Ph.D. degree in immunology or related field
* Strong understanding of immunology, immunotherapy and autoimmunity
* Familiar with functional assays with primary immune cells and multi-color flow cytometry
* Experienced in working with preclinical animal models
* Demonstrated ability to organize and clearly communicate complex data sets
* Ability to work within a team, excellent verbal and written communication and interpersonal skills
* Curious in exploring new options for model/assay development, bold in proposing creative experimental designs and ideas, relentless in pursuing successful outcomes
* Self-motivated, conscientious, and passionate about improving patients’ lives

**What we offer you**: As a member of our new and quickly growing company, you’ll help us shape Seismic from the very beginning into a startup that not only takes its scientific mission seriously but also provides a positive and supportive workplace environment and culture. Seismic will have the opportunity to benefit from the insight, diversity, and talent that you’ll bring. Together, we’ll help bring therapeutics to the patients who need them most.

**Our mission**: Seismic is determined to help patients in need, starting with novel approaches to protein engineering, machine learning and immunology, and ending with clinic-ready drugs. At our core, our focus is on phenomenal science, meritocracy, a superstar team, supportive culture, and patient-centric goals. Seismic has the tools, skills, ideas and people to make this a reality. Success will enable treatment for millions of patients with currently incurable, often disabling and deadly diseases, and we invite you to become a part of that.

**Contact information:** daniela.cipolletta@seismictx.com

**Senior/Principal associate scientist, Immunology**

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**Responsibilities:**

* Design and perform studies, including PK/PD and efficacy, in animal models
* Develop ex vivo assays/analysis to characterize drugs’ mechanism(s) of action
* Plan, perform, analyze, interpretate and report results from the studies with minimal supervision
* Interface with CROs and vendors
* Mentor others in the design, execution and analysis of experiments that support programs
* Document data in electronic laboratory notebook and write technical reports
* Communicate directly results to internal stakeholders and at program team meetings
* Strong interpersonal skills to foster an open and collaborative environment

**Requirements**

* BS degree plus 5-10+ years of experience in a lab setting or MS plus 2-8+ years of experience in a lab setting
* Hands-on experience with animal models for autoimmune diseases is preferred
* Experience with testing of therapeutics in animal models is an advantage
* Hands-on experience with ELISA, western blot, Luminex/MSD, flow cytometry is preferred but not required
* Capability to anticipate and recognize potential issues within experimental designs and effectively communicate alternatives
* Ability to work collaboratively, provide scientific insight, and communicate clearly in writing and orally
* Excellent record keeping abilities to document analytical data generated in support of regulatory requirements
* Ability to manage multiple projects, prioritize work and meet tight deadlines
* Curious in exploring new options for model development, bold in proposing creative experimental designs and ideas, relentless in pursuing successful outcomes

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**Responsibilities:**

* Develop functional cell-based *in vitro* assays with primary cells from humans and preclinical animal species to characterize drugs’ mechanism(s) of action
* Plan, perform, analyze, interpretate and report results from the studies with minimal supervision
* Eager to learn handling of preclinical animal models to provide help to our *in vivo* team when needed
* Interface with vendors for acquisition of relevant materials and reagents
* Mentor others in the design, execution and analysis of experiments that support programs
* Document data in electronic laboratory notebook and write technical reports
* Communicate directly results to internal stakeholders and at program team meetings
* Strong interpersonal skills to foster an open and collaborative environment

**Requirements**

* BS degree plus 5-10+ years of experience in a lab setting or MS plus 2-8+ years of experience in a lab setting
* Hands-on experience with ELISA, western blot, Luminex/MSD, flow cytometry
* Experience with testing of biologics in *in vitro* settings is an advantage
* Hands-on experience with tissue culture, archiving, transfection and cell-based functional assays, primary hematopoietic cell isolation and culture
* Capability to anticipate and recognize potential issues within experimental designs and effectively communicate alternatives
* Ability to work collaboratively, provide scientific insight, and communicate clearly in writing and orally
* Excellent record keeping abilities to document analytical data generated in support of regulatory requirements
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