



Pinetree Therapeutics, Inc.
767 Concord Avenue
Cambridge, MA 02138, USA

Disruptive Innovation for Patients
with No Therapeutic Options

About the Company

Pinetree Therapeutics, Inc. is a biotech startup developing bispecific antibodies for cancer therapy. Our mission is to deliver on the promise of therapeutic antibodies to treat drug resistant cancers and immune disorders and create the next generation of transformative medicines for patients. We are a group of highly motivated, dedicated professionals working collaboratively in a multi-faceted team with the ultimate goal to improve patient care. Pinetree Therapeutics is located near Fresh Pond in West Cambridge.

Website: <https://www.pinetreetx.com/>

Open Positions (3 positions)

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| 2. Director in Antibody CMC development | Pages 4-5 |
| 3. Scientist in Immunology & Immuno-oncology | Pages 6-7 |

Please see the details of each position on the following pages.

Please contact HR team (admin@pinetreetherapeutics.com) if you are interested in these positions.



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Position #1

Director in Antibody Discovery and Molecular Biology

Job Description

Pinetree Therapeutics is currently seeking a motivated, experienced and collaborative leader in biologics discovery and development, to be responsible for implementation and optimization of state-of-the-art antibody (protein) platforms, design and generation of innovative lead candidates, propose and advance projects from initiation to lead identification and IND filing. In addition, the successful candidate will:

Responsibilities:

- Lead antibody discovery, engineering and molecular biology teams responsible for designing, generating and characterizing antibody-based therapeutics
- Lead pipeline candidates from discovery to lead candidate selection and contribute to downstream development toward IND
- Design and execute engineering campaigns, including complex multi-specific antibody campaigns
- Lead technology development in antibody selection, engineering and molecular biology
- Develop and employ complex molecular biology workflows to rapidly generate constructs from a variety of in silico and biological sources
- Interact and collaborate with leaders and teams across antibody optimization and protein sciences on project delivery and new technology development
- Partner with Business Development to pursue new partnerships
- Represent the scientific goals and interests at scientific conferences, partner meetings and other events
- Establish a network of external partners from academia and industry to strengthen capabilities and capacity
- Develop and manage operating budget
- Recruits and develops an antibody team, fosters a culture of innovation that cultivates teamwork and improves performance.



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Qualifications

- PhD in a relevant scientific area, such as antibody discovery or protein engineering, protein biochemistry or biotechnology, **plus a minimum of 10 years of professional experience in biologics research**
- Working experience in diverse antibody discovery methods using animal immunization and/or in vitro methodologies including rapid work-flows for lead selection based on predetermined criteria
- Working experience using molecular biological methods for creating novel therapeutics from individual antibody and other protein binding components
- In-depth knowledge of downstream development to IND and Clinical development
- Recognized leader in antibody/protein engineering and molecular biology as evidenced by publications, participation in international conferences, membership on journal editorial boards, etc.
- Excellent communicator and highly effective in interacting with key internal and external stakeholders
- Ability to establish high-level strategies for new drug technologies and apply new technologies to drug discovery
- Team player and builder, possess great coaching skills and has great organizational skills
- High degree of integrity and professionalism
- High functioning in an environment dedicated to exceptional quality and integrity
- Proficiency in Microsoft Office, and other programs necessary for the position
- Experience with NGS and/or antibody display platforms preferred

Pinetree Therapeutics offers highly competitive salaries and comprehensive benefits, including medical and dental insurance, paid time off, and 401(k) with a generous company match.

Pinetree is committed to equal employment opportunity and non-discrimination for all employees and qualified applicants without regard to a person's race, color, gender, age, religion, national origin, ancestry, disability, veteran status, genetic information, sexual orientation or any characteristic protected under applicable law. Pinetree will make reasonable accommodations for qualified individuals with known disabilities, in accordance with applicable law.

Recruitment & Staffing Agencies: Pinetree does not accept unsolicited resumes from any source other than candidates. Any resume submitted by an agency in the absence of a signed agreement will automatically become the property of Pinetree, and Pinetree will not owe any referral or other fees with respect thereto.



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Position #2

Director in Antibody CMC development

Job Description

Pinetree Therapeutics is currently seeking a motivated, experienced and collaborative leader in protein sciences and development, to be responsible for implementation and optimization of state-of-the-art antibody (protein) platforms, optimization of innovative lead candidates, and work both internally and externally with CMOs to produce engineered production cell lines and processes for manufacturing GMP material for IND filing. In addition, the successful candidate will:

Responsibilities:

- Lead pipeline candidates from lead selection through downstream development toward IND
- Lead a protein sciences group focused on establishing protein purification, early characterization and detailed analytics needed for IND and beyond
- Lead the design and execution of biochemical, immunological and cellular assays relevant to antibody/target specificity, as well as developability characterization methods.
- Establish and maintain methods qualification protocols.
- Manage relations with external CDMOs for all CMC activities including process transfers, problem resolution, time line management and budget.
- Author key sections of IND applications related to CMC.
- Interact and collaborate with leaders and teams across antibody discovery and molecular biology on project delivery and new technology development
- Partner with Business Development to pursue new partnerships
- Represent the scientific goals and interests at scientific conferences, partner meetings and other events
- Establish a network of external partners from academia and industry to strengthen capabilities and capacity
- Develop and manage operating budget
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Qualifications

- PhD in a relevant scientific area, such as antibody or protein engineering, protein biochemistry or biotechnology, **plus a minimum of 10 years of professional experience in biologics research and cGMP production**
- Working experience in downstream development to IND and Clinical development
- Experience in antibody optimization, characterization and manufacturing for IND
- Recognized leader in antibody/protein engineering and molecular biology as evidenced by publications, participation in international conferences, membership on journal editorial boards, etc.
- Excellent communicator and highly effective in interacting with key internal and external stakeholders
- Ability to establish high-level strategies for new drug technologies and apply new technologies to drug discovery
- Team player and builder, possess great coaching skills and has great organizational skills
- High degree of integrity and professionalism
- High functioning in an environment dedicated to exceptional quality and integrity
- Proficiency in Microsoft Office, and other programs necessary for the position
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Position #3

Scientist in Immunology & Immuno-oncology

Job Description:

We are seeking a dynamic and innovative Scientist to join our Immuno-Oncology team, dedicated to harnessing the power of the immune system to combat cancer. This individual will lead efforts in developing and optimizing immuno-assays and profiling preclinical tumor models, leveraging our cutting-edge bispecific antibody platform. The role requires a blend of expertise in immunology, cancer biology, and a passion for translational research to drive our mission of delivering breakthrough therapies to patients.

Responsibilities:

- Independently design, develop, and validate novel immuno-assays for the characterization and advancement of therapeutic candidates for a wide range of therapeutics, including oncology, autoimmune and infectious diseases.
- Conduct in-depth immune profiling of preclinical tumor models to understand mechanisms of action and identify biomarkers.
- Collaborate with cross-functional teams to integrate findings into the broader research and development strategy.
- Stay abreast of latest scientific advancements in immunology and immuno-oncology and contribute to the scientific community through publications and presentations.



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Qualifications:

- A Ph.D. in Immunology, Cancer Biology or equivalent with 5 + years of relevant experience is required.
- Proven expertise in immune cell biology, particularly T, DC and monocyte cells in cancer and ex vivo human PBMC models as well as hands on experience in the characterization of tumor micro-environments using multi-color flow cytometry (over 10 channels), single-cell RNAseq, molecular biology and other techniques.
- Demonstrated ability to work with in vivo models of human cancers, including blood/ tissue collection and processing for ex vivo analysis.
- Experience with a broad array of immunological techniques, such as immunoassays applicable to a variety of diseases, not limited to cancer.
- Strong background in immunology with a focus on mechanisms involved in immune regulation, autoimmunity, inflammation, and infectious diseases.
- Strong analytical and problem-solving skills, with a track record of scientific innovation and publication in peer-reviewed journals.
- Excellent communication and collaboration skills, with the ability to work effectively both independently and as part of a multidisciplinary team.
- Experience in biomarker discovery to select appropriate in vivo models and explore platform-synergistic drug combinations is a plus.
- Experience in large data analysis is a plus.

Pinetree Therapeutics offers an opportunity to be at the forefront of immuno-oncology research, contributing to the development of next-generation cancer therapies. This is a chance to work in a collaborative, supportive, and inclusive work environment where innovation thrives, and career development is encouraged.

Pinetree also offers a highly competitive salaries and comprehensive benefits, including medical and dental insurance, paid time off, and 401(k) with a generous company match.

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