

## **Overview :**

X-Therma Inc. is a young company located in the San Francisco bay area with the mission to develop potent biomaterials for both medical and industrial applications via Biomimetic Nanoscience. One of our major focuses is to deliver highly effective, non-toxic cryoprotective agents (CPAs) for advanced organ and tissue preservation media to allow for cutting-edge medical and surgical techniques.

### **Job Details**

## **Polymer/Hydrogel Research Chemist (6 Month Contract, extendable)**

**Berkeley, CA, US**

X-Therma - Full-Time | Job date : 09-13-2016

## **Description**

X-Therma is an early stage biotech/chemtech SBIR funded and Angel-backed company working primarily out of Lawrence Berkeley National Laboratory in Berkeley, CA. We are improving the cold storage of biological samples by preventing ice formation during cooling and rewarming using a first-in-class ice blocker to completely transform regenerative medicine logistics, enabling safe transport and long-term Biobanking for highly advanced therapies, transplants, and drug discovery (R&D). Organ preservation is a Grand Challenge and XT is one of the first participants of a large project “Organs on Demand” launched in 2015 by Department of the defense.

X-Therma is proud to be an equal opportunity employer and will consider all qualified applicants for employment.

### **Position Details:**

We are seeking an enthusiastic and motivated individual who will excel in the dynamic environment of an early-stage startup company, enjoys working on big projects, and taking on new scientific challenges. The candidate will have a demonstrated ability to work independently to achieve their goals and be capable of working on more than one project simultaneously. This individual will work directly with the Founding team to define study objectives and to participate in executing these studies.

-The chemist will perform synthesis, purification, and characterization of polymers using world-class instrumentation at Lawrence Berkeley National Laboratory in Berkeley, CA. The chemist will be responsible for tracking prepared compounds and improving synthetic procedures and processes.

-Free shuttle service is provided from the Downtown BART station and around UC-Berkeley

Campus to the lab.

-Opportunity for publication in peer reviewed journals.

-Position has a rolling deadline. Preferred start time is September 2016. Pay dependent upon experience.

-Potential conversion to full-time position.

-Looking for an impassioned talent to bring the innovation and dedication needed to build the core technology for a new wave of groundbreaking regenerative medical technologies.

- Department of Defense SBIR has hiring regulations: please U.S. Permanent Residents and Citizens only.

Desired:

- Degree in Chemistry related discipline required. MS or PhD preferred.

- -Enthusiasm to work in a fast-paced, very flexible start-up environment

- Must be eager to learn, self-motivated, flexible, accountable and effectively handle multiple tasks.

- Work independently in a small team research environment within a larger national laboratory.

- Ability to follow all safety, health, and environmental regulations at national laboratory level

- Demonstrated research ability in polymer, peptide, solid phase or organic synthesis.

- Able to implement advanced synthesis to increase yield and efficiency.

Technical Requirements:

- Full working knowledge and experience with typical polymerization methods (RAFT, ATRP, etc.)

- Must have experience with synthesis of hydrogels components, conditions of formation probing, etc. Please submit a quick list of chemistries/backbones you have experience with.

- Modification of natural polymers and hydrogel backbones

- Synthesis and probing of stimuli responsive gels and polymers.

- NCA polymerization experience desired.

- Rheology measurements.

- Monomer synthesis

- Solid phase synthesis experience a plus

- Experience with cryoprotectants a major plus.

- Success in this position is tied to further funding and full-time employment.

Please submit resume and any questions or comments you have to [mkline@x-therma.com](mailto:mkline@x-therma.com)

Please title the email "RESUME Polymer Chemist: X-Therma"