

## About the Company

BioLattice (BioLattice Ophthalmics, Inc.) is an award winning and fast-growing pre-clinical stage biotechnology company taking the tissue repair world to new heights with your help! Our current focus is the pre-clinical development of an engineered cornea that will help restore the patient's vision and help them to enjoy their bright future.

Come build with us in Philadelphia, PA as we develop a team of internal and external partners to support our next pivotal milestone: completing a data package to support a US FDA investigational device exemption submission.

We are currently creating an ambient temperature stable engineered cornea that is intended to be a first line transplant material for full thickness cornea replacement (penetrating keratoplasty). This will be the first of many innovations for ophthalmic tissue repair and a gateway for other innovations through the organization.

## Position Overview

We are looking for a full-time, in-house Materials Scientist who will design and execute experiments to support the development of BioLattice's engineered cornea. In this role, the ideal candidate will feel comfortable engaging with external partners to complete R&D objectives while continuing to use their technical skills in our laboratory 3 – 5 days per week depending on experiment schedules. This is a Philadelphia, PA (University City area) laboratory-based hybrid position where the ideal candidate will use their attention to detail, time management and passion for positive patient outcomes to build their career with the full support of our founder, partners and growing team.

## Key Responsibilities

- Design and execute experiments for polymeric materials development and characterization.
- Maintain electronic laboratory notebook and R&D related records.
- Maintain inventory of laboratory supplies and equipment.
- Manage and plan studies (and execute as necessary) cell testing studies with external collaborators including our university partner.
- Create reports and presentations for R&D initiatives. Overtime, develop the skills necessary to transition from a laboratory focus to being the face of R&D to internal and external stakeholders over the next few years.

## Professional Requirements

- Academic training in bioengineering, biomedical engineering, biomaterials, or materials science.
- A Doctor of Philosophy (PhD) with 2-3 years of experience in polymeric biomaterials design and characterization or a Master of Science (MS) degree with 4-5 years of experience in polymeric biomaterials design and characterization.
- Hands on experience with mechanical tensile testing.
- Hands on experience with making chemical solutions.
- Hands on experience with designing and creating polymeric membranes.
- Hands on experience with or capacity to learn instruments including Scanning Electron Microscopy, X-ray Photoelectric Spectroscopy, and micro-CT.
- Hands on experiences with or desire to learn cell culture and cell-based assays.

At BioLattice you will find an exciting scientific environment with industrial and academic partners, the opportunity to present findings, as well as a competitive remuneration and incentive package. BioLattice Ophthalmics, Inc. is an equal opportunity employer that does not discriminate in employment on the basis of race, color religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor.

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