

Material Scientist

Brooklyn, NY | Full-time | On-site

About Cellsense

Cellsense manufactures sustainable products for the fashion, jewelry, and beauty industries using our proprietary material made from algae and cellulose. Our aim is to replace plastics and resins, and in doing so eliminate major sources of microplastics and heavy metal pollution. With our material we can achieve a wide range of colors, clarities, forms, and even unique properties such as bio-fluorescence. Our novel manufacturing systems enable us to produce complex beaded textiles at scale, replacing overseas manual labor with highly automated domestic production. Currently, we are focused on scaling up our process while engaging in paid pilots with industry partners. You will join us at an exciting stage of our growth.

Website - <https://cellsense.bio/>

The Role

We are looking for a material scientist to own the formulation and performance of the Cellsense biocomposite as we move from lab scale to reliable, repeatable production. You will develop, test, and refine formulations and blends to improve clarity, mechanical strength, and long-term stability. Day to day, you'll design and run experiments, identify and screen fillers, tune hydrophobicity, and help ensure the material runs cleanly through our automated deposition and molding processes. You'll work closely with our engineer and founder to link formulation, process parameters, and final part performance so we can meet growing demand from 48+ fashion, jewelry, and cosmetic brands.

What we're looking for

- Masters degree in polymer processing, material science or a related field
- 2+ years of industry experience
- Prior experience developing or characterizing polymers, hydrogels, or composites
- Significant experience taking projects from concept to completion
- Understanding of hydrogels, biopolymers (specifically algae/cellulose based), and crosslinking mechanisms
- Familiarity with planning and running experiments, analysing data, and documenting results so that they can be repeated and scaled
- Hands-on experience with material testing and establishing QA/QC standards.
- Scrappy and motivated, able to drive to solutions in a small startup

What we offer

Competitive salary and meaningful equity.

Hands-on role with ownership from R&D through production.

Comprehensive health benefits.

Part of a tightly knit team aiming to make a meaningful impact.

Apply

Send your CV and (if available) a brief summary or portfolio of relevant projects to hiring@cellsense.bio with the subject line “Materials Scientist.”