



Research Associate/Engineer  
Fall 2021

GeIMEDIX is an exciting, stealth-stage biomedical startup developing novel hydrogels to address major unmet needs in ophthalmology and other fields. GeIMEDIX's core technologies were born out of a multi-year collaboration between Dr. Reza Dana (Mass Eye and Ear, Harvard Medical School) and Dr. Nasim Annabi (UCLA), who co-founded the company in early 2020. The company has seed funding from leading investors as well as funding from the military for treating ocular injuries on the battlefield.

GeIMEDIX is looking to recruit a Research Associate or Engineer to work with the team to develop and characterize novel hydrogels and support initial formulation and process development. Laboratory work will include mechanical characterization of hydrogels such as tensile, compression, and lap shear testing and rheological analysis of amorphous hydrogels and polymer mixtures as well as employing chromatography techniques to quantify chemical integrity and hydrogel drug release. The recruit will also work with the team to design and develop hydrogel injectors and applicators. Preference will be given to those with familiar with mechanical testing of soft materials or hydrogel characterization. The candidate will have strong, hands-on, bench-oriented laboratory skills in *in vitro* and *ex vivo* testing of biomaterials and is comfortable working independently in a fast-paced environment on a small team, thinking broadly and innovatively beyond his/her own discipline.

**Role and Responsibilities:**

- Hydrogel formulation and process development
- Perform mechanical testing of soft materials
- Fabricate and evaluate hydrogels *in vitro* and *ex vivo*
- Perform data analysis and prepare reports
- Assist with applicator/injector design and evaluation
- Present findings to R&D leadership

**Qualifications:**

The Research Associate/Engineer will be a skilled hands-on scientist with a passion for research and product development who can both carefully implement existing protocols and play a role in innovating new ones. S/he will have a mix of the following personal and professional characteristics:



- Bachelor's degree or higher in biomedical engineering, mechanical engineering, chemical engineering, materials science, polymer science, or another related field
- 0-3 years of experience in academia and/or industry
- Experience with the mechanical testing of soft, polymeric materials
- Familiarity with polymeric hydrogel fabrication and drug delivery
- Familiarity with cell culture experience preferred but not required
- Experience with CAD software preferred but not required
- Strong written and verbal communication skills
- Strong interpersonal skills and a collaborative working style
- Creative scientist who can work closely at the interface of biology, chemistry, biomaterials, and engineering.
- Adaptability, flexibility, independence and resourcefulness
- Ability to successfully function in a dynamic, entrepreneurial, startup organization

GeIMEDIX is based in Cambridge, Massachusetts with its R&D laboratory at LabCentral. GeIMEDIX is an equal opportunity employer and strictly prohibits unlawful discrimination based upon an individual's race, color, religion, gender, sexual orientation, gender identity/expression, national origin/ancestry, age, mental/physical disability, medical condition, marital status, veteran status, or any other characteristic protected by law.

For more information, or to apply now, please email a resume and cover letter to [hr@gelmedix.com](mailto:hr@gelmedix.com)