



Research Bioengineer and Cell Biologist

3D BioLabs is an early stage research and development company with a unique IP portfolio which builds on more than 30 years of pioneering research in the field of tissue engineering and regenerative medicine. Our mission is to develop a platform technology to address the human organ donor shortage in transplantation and other complex problems of tissue loss. We are a resident at LabCentral, Cambridge, MA.

Join our talented team of engineers, clinicians and scientists and help drive progress in tissue engineering and microfluidic biotechnology breakthroughs in our laboratory. Gain exposure to innovative cellular and molecular techniques. We are passionate about making a difference!

Responsibilities

- Develop and lead projects *in vitro* and assisting *in vivo* projects
- Independently design, perform, and direct key cell and molecular biology studies
- Design, build, and troubleshoot bioreactor and microfluidics systems
- Critically analyze and interpret complex data and effectively document and communicate results
- Contribute to multidisciplinary teams and leverage a network of collaborators
- Collaborate with device design engineers to develop complex structured devices
- Implement quantitative analysis for evaluating 2D/3D cell/tissue functionality and stability within prototype systems during *in vitro* and *in vivo* studies
- Participate in writing reports, patent applications, presentations, and publications

Qualifications and Education

- The ideal candidate will be a highly motivated individual with a proven track record of accomplishments in research
- Extensive experience with cell culture and molecular techniques, mechanical engineering, design principles and practices, and characterization and interpretation of *in vivo* implantation experiments
- Strong theoretical and technical skills within the fields of lab-on-a-chip, organ regeneration, basic cell biology concepts, and system engineering
- Prefer a solid working knowledge of CAD/CAM, SolidWorks, PDM and MATLAB
- Position requires strong problem-solving skills, initiative, and creativity
- Degree in Biomedical Engineering or related field required

Benefits

This is a full-time position with commensurate salary and a comprehensive benefits package.

We are an equal employment opportunity employer and do not discriminate against any applicant because of race, creed, color, age, national origin, ancestry, religion, gender, sexual orientation, disability, genetic information, veteran status, military status, application for military service or any other class protected by state or federal law.

We look forward to receiving your CV at careers@3dbiolabs.com.