

## Senior 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 as well as other complex problems of tissue loss.

You would be joining our talented team of engineers, clinicians and scientists and help drive progress in tissue engineering and microfluidic biotechnology breakthroughs in our laboratory. You will have the opportunity to be exposed to innovative cellular and molecular techniques. Join us at this exciting time and make a difference!

### Responsibilities

- Developing and leading projects *in vitro* and *in vivo*
- Independently design, perform, and direct key studies
- Design, build and troubleshoot bioreactor and microfluidics systems
- Critically analyze and interpret complex data, and effectively document and communicate results
- Contributing to multidisciplinary teams and leveraging 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 and have experience leading a team
- Extensive experience with mechanical theories, design principles and practices, cell/tissue culture, characterization and *in vivo* implantation
- Strong theoretical and technical skills within the fields of lab-on-a-chip, organ regeneration, basic cell biology concepts, and system engineering
- Solid working knowledge of CAD/CAM, SolidWorks, PDM and MATLAB preferred
- It is critical that the candidate possess strong leadership, problem solving and collaboration skills
- Degree in Biomedical Engineering or related field required
- Masters with 5+ years / Ph.D. with 3+ years experience of relevant work in academia or in industry required

### Benefits

This is a full-time position with a comprehensive benefits package including paid vacation and holidays, medical/dental/vision, life insurance, long-term disability and flexible spending plan which includes medical, dependent care, transit and parking. 3D BioLabs is a resident at LabCentral, Cambridge, MA.

3D BioLabs is an equal employment opportunity employer and does 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 cover letter, CV and three professional references at [careers@3dbiolabs.com](mailto:careers@3dbiolabs.com).