



Maastricht, October 2022

Vacancy: Senior Application Specialist - Bioprinting

Are you an enthusiastic bioengineer with experience in additive manufacturing technologies applied to tissue engineering? Would you like to work in an international, small-scale environment with large societal impact? Then we have an interesting job for you at [ReGEN Biomedical](https://www.regenbiomedical.com).

ReGEN Biomedical is a startup company that aims to revolutionize the manufacturing of large numbers of high quality functional micro-tissues for drug testing and regenerative medicine therapies. Would you like to help us achieve this goal?

We are looking for:

As the Senior Application Specialist - Bioprinting, you will be responsible for testing/optimizing new modalities to produce macro-tissues from micro-tissues and making existing modalities integration-compatible in completely automated tissue manufacturing assemblies. The work will focus on cardiac tissue, but the techniques will be developed to be generally applicable. In this role, your tasks will include:

- Testing/optimizing tissue macro-assembly modalities under development, e.g. using acoustic or magnetic fields
- Developing interfaces for established tissue macro-assembly modalities, such as extrusion based, with fully automated tissue manufacturing
- Working with our automation application specialists to transition tissue macro-assembly to a fully automated tissue manufacturing assembly

We ask for:

We are looking for an independent and collaborative researcher with at least some of the following skills and experiences.

- PhD or comparable work experience
- Experience with additive manufacturing techniques applied in tissue engineering, preferably including printing with cells
- Experience of bioprinting with cardiomyocytes would be beneficial
- A background in Physics or Mechanical Engineering, with experience in applying it to bioprinting mechanisms would be beneficial
- Computational Modeling experience would be a plus
- Relevant experience in robotics and automation can substitute for above asked experiences

In addition, the candidates should essentially fulfill the following general criteria:

- Structured approach, attention for details
- Organizational skills, hands-on mentality
- Result-oriented, strong analytical and problem-solving skills
- Good reporting skills – experience with electronic lab notebooks preferred
- Ability to collaborate with multidisciplinary team members – experience of working in collaborative, multidisciplinary projects preferred
- Fluency in English language
- Excellent communication, written and interpersonal skills. Experience in sharing results, issues, and progress with multidisciplinary teams and presenting research to diverse audiences preferred
- Working drive and initiative for research and curiosity to stay updated with the latest advances in the field
- Available for 38 hours (1 FTE) per week on site in Maastricht.

NOTE: we encourage applications from interested candidates even if they do not fulfil every requirement or are at a lower experience level.



We offer

A challenging position with great responsibility in an environment that is constantly changing, a pleasant working atmosphere and an open culture. The position is versatile, offers plenty of opportunities for further development and provides the opportunity to put your own stamp on it. The position is based in Maastricht. If suitability is demonstrated, an appropriate salary will be offered for the position, depending on education and experience. The secondary employment conditions are excellent. The appointment is initially for the period of one year, with a view to permanent employment.

For more information about this role, you can contact Dr. Ravi Sinha (r.sinha@regenbiomedical.com or 0031 (0)6 38570526).

Apply

To apply, please send your CV and cover letter to career@regenbiomedical.com

This position is open. Interviews will be scheduled as soon as we receive a few suitable applications, so please apply immediately.

About us

[ReGEN Biomedical](#) is a startup company with a small and talented team, that is building a production location for human tissue in Maastricht. It focuses on growing large quantities of robust and reproducible small tissue pieces (micro-tissues) for toxicity & pharma screening. Functional micro-tissues represent the next step in mimicking patient organs and represent the future of personalized medicine.

We are building expertise on how to assemble the micro-tissues into functional pieces of human organs, the so-called macro-tissues. The micro-tissues also serve as building blocks for RM therapies and will be assembled into functional macro-tissues.

[Sharing this opportunity in your network would be appreciated!](#)