



Junior Engineer/ Assistant scientist in 3D cardiac engineering and microfluidics

River BioMedics is a drug discovery start-up company based in Enschede, The Netherlands, focused on developing and using novel bioengineered 3D cardiac models to find novel therapies for cardiac disease.

River BioMedics' new technology is a combination of human pluripotent stem cell (hiPSC) differentiation with bioengineering, enabled by microfabrication and A.I.-based data analysis.

This is an exciting opportunity for a goal-driven individual with a background in engineering or bioengineering who has an interest in 3D cell culture.

The junior engineer or assistant scientist will be integrated into a team of cell biologists and engineers with a wide range of knowhow spanning from microfluidic engineering and tissue engineering to molecular biology and drug discovery, providing therefore the opportunity to learn and develop in any direction of interest.

Together we have the potential to make ground-breaking developments delivering novel enabling technologies for novel discoveries in cardiac disease. We are offering an interesting multidisciplinary position with the opportunity to make an impact on the life of patients suffering from heart disease.

Education, Skills and Experience

- MSc in biomedical engineering or a related multidisciplinary field.
 - Someone with a PhD can be considered as well for a more senior role.
- Basic understanding of physics of liquids.
- Basic experience with microfabrication, such as 3D printing, injection moulding and/or CNC milling.
- Basic software programming capabilities, preferred in python language.
- Experience in cell biology and cell culture.
- Open to work on biology specific tasks such as Q-PCR and Western Blot.

Who are you

- An intelligent and determined person with a hands-on attitude.
- Team player with a creative approach to problem solving and good communication skills
- Structured and conscientious, able to plan and make sure everyone gets direction

Your key responsibilities will include:

- Fabrication of bioreactors and micromoulds.
- Fabrication and culture of 3D cardiac tissues.
- Imaging and data analysis.
- Assisting biology team with Q-PCR and Western Blot and other techniques.

What can River BioMedics Offer

- An industry competitive package
- Opportunity to grow and learn in a small company environment
- Close connection with academic projects.
- Work environment embedded in academic environment with active social programme.

Contact

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