HiWi position for a software developer in 3D bioprinting

The Physical Biology group (AK Stelzer) at the Goethe University, campus Riedberg, is looking for a HiWi to help improve a self-developed software linked to a patented new model of 3D bioprinter for the generation of human tissue and to develop additional software related to bioprinting.

General duties:

- Improve the current software by correcting bugs and adding features necessary to the proper function of 3D bioprinting
- Create a "slicer" software responsible for translating a 3D CAD model into a pattern understandable for the bioprinter.
- Assist as technical support with image analysis needs related to 3D bioprinting

What you bring:

Master student in computer science, bioinformatics or equivalent with knowledge in C++, C#(.NET) and basic analog/digital electronics. Bonus: you have experience with optical systems and/or microcontrollers. English and/or German as working languages.

Remuneration:

Approx.[1] 12.34 €/hour gross salary for a maximum of 80 hours/month.

About us:

Our laboratory, the Physical Biology group (www.physikalischebiologie.de), is specialized in microscopy and three-dimensional cell biology. We are currently working on a project financed by EU Horizon 2021 that aims at developing a new type of 3D bioprinter device using light-sheet lithography. See more information at: brighterproject.eu, b-brighter.eu. We have a working prototype that needs tweaking to improve functionality and resolution.

Interested?

Contact us:

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[1] As for 2021. Salary remuneration is regulated by the HR department of the faculty.