


Application Development Scientist - Tissue Analytics

 Lunaphore Technologies SA

 Tolochenaz (Vaud), Switzerland

Job title: Application Development Scientist - Tissue Analytics

Reports to the: Application Development Team Leader

Activity rate: Full-time

Type of contract: Permanent

Start date: 01.09.2021

Duration: Indeterminate

About our company

Lunaphore Technologies is a young scale-up active in the Life Sciences field developing products based on a microfluidic technology to analyze tissue samples in immuno-oncology research. Lunaphore is seeking a highly motivated candidate to join our team and contribute directly to the development and growth of the company.

Job overview

We are looking for an 'Application Development Scientist' to develop and optimize tissue analytics approaches to analyze and understand tissue complexity in spatial biology.

Responsibilities and duties

- Develop new methodologies for cell-based analysis of highly multiplex immunofluorescence images of tissue samples generated using in-house microfluidic tools.
- Develop tools and workflows for image analysis.
- Verify and validate tools developed in house for image analysis.
- Establish and develop new assays of highly multiplexed immunofluorescent assays.
- Establish new assays and produce new data using Lunaphore's devices.
- Contribute to the continuous development of the devices and test new prototypes.

Required qualifications

- A PhD degree in Bioinformatics, Immunology, Cancer Biology or similar field or an equivalent background (e.g. Master degree with at least 3 years of experience in the above mentioned areas)
- At least 2 years of experience in an industrial environment in the field of tissue analytics is a strong plus

- Proven track record in the development of tools and workflows for image analysis and image processing
- Proven experience with at least one of following analysis platforms: ImageJ, QuPath, Visiopharm, Halo
- Understanding and knowledge of Python is a strong plus
- Experience in handling microfluidics devices and fluorescent microscopes (confocal or standard epi-fluorescence) is a plus

Required soft skills

- You are enjoying collaborative projects, you easily adapt to agile work in a team, but you are also comfortable to work on your own.
- You demonstrate open-minded approach to science, you easily share, discuss and report data to colleagues and managers.
- You demonstrate critical thinking, good organizational skills and attention to details.
- You are comfortable in troubleshooting and directly interacting with Lunaphore's devices.
- Fluency in oral and written English is a must.

We offer

- A multidisciplinary industrial project within a young and strongly growing high-tech scale-up.
- A diverse and international working environment with a strong network.
- A highly interactive team with strong personal and technical qualities.


How to apply

Send your complete application through human.resources@lunaphore.com

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