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

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**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