


R&D Optical Engineer

 Lunaphore Technologies SA

 Tolochenaz (Vaud), Switzerland

Job title: R&D Optical Engineer

Reports to the: VP Instrument Development

Activity rate: 100%

Type of contract: Permanent contract

Start date: April 2021 or later

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 'R&D Optical Engineer' to strengthen our engineering team in the fields of optics and microfluidics.

Responsibilities and duties

You are working in a multidisciplinary team in collaboration with engineers and biologists. Your main activities are the following:

- Define specifications and functions of the optical and microscopy systems to be integrated in Lunaphore products. Develop and perform testing procedures to ensure optical systems perform according to the defined specifications.
- Optimize the image acquisition process, including acquisition time, parameters, and image quality.
- Compare optical systems to the state-of-the-art, identify and contribute to improvement of the systems. Interact with the other team members in order to optimize the whole system (mechanics, software, assay).
- Interact with optics suppliers on a technical level including the definition of requirements and features, test procedures and product quality.
- Develop microfluidic systems and their mechanical interfaces.
- Explore concepts for future products.

Required qualifications

- MSc in an engineering field: physics, microtechnology, mechanics, biomedical or similar.
- Good knowledge in microscopy and/or optics, especially cameras, illumination sources and optical filters.
- Experience in fluorescence microscopy and fluorescence image analysis.
- A validated experience of at least 2 years in a similar position.
- Hands-on experience in laboratory / workshop.
- Experience with a CAD software is a plus.
- Experience in the development of microfluidic chips is a plus.
- Proficient English level (at least C1).

Required soft skills

- Organizational skills and attention to detail.
- Ability to interact and work in a team.
- Capacity to adapt in a constantly changing environment.

We offer

- A young and strong-growing high-tech company.
- 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

 **Lunaphore Technologies SA**
Route de Lully 5c
CH-1131 Tolochenaz

 www.lunaphore.ch

 human.resources@lunaphore.com

 **+41 21 353 58 15**