	JOB DESCRIPTION: Photonics Engineer	REC-000
	Implementation date: 31/07/2024	Version: 1
		Page: 1/2

## TRINCE IS LOOKING FOR A: Photonics Engineer

### COMPANY

Trince is a spin-off company from Ghent University dedicated to advancing cell-based science and therapeutics by facilitating the delivery of molecules into cells, both in vitro and ex vivo. The company's LumiPore transfection platform, covered by a portfolio of pending patents, can deliver a wide variety of effector molecules (e.g. nucleic acids or proteins) into virtually any cell type, including hard-to-transfect immune and stem cells for cell therapies. The technology not only makes it easier to introduce genetic material into cells in high-throughput, but also ensures that this is done in a gentle manner, maximizing the therapeutic quality of the final cell product.

As the company is growing, it is looking to expand the team with a **Photonics Engineer**.

### JOB DESCRIPTION

We are seeking a **Photonics Engineer** to join our System Development Team and participate in an innovative approach using laser and nanotechnology for engineering cells in cell therapies and research applications. Your main responsibility will be to assist the System Development Team in developing the LumiPore systems, specifically focusing on the development, calibration and testing of the system's optical core. You will work closely with the team's electronics, mechanical, and software engineers. The primary tasks include:

#### R&D tasks

- Researching optical improvements for the LumiPore system
- Assembling and aligning optical systems
- Calibrating the optical parameters
- Reviewing the design, and identifying system optimizations
- Contributing to quality assurance and regulatory assurance (QARA)

#### Support tasks


- Testing and calibrating sold systems
- Performing subassembly and integration tests
- Contributing to the design of risk and safety features

#### General tasks

- Systematically documenting test results, work instructions, etc...
- Analyzing and interpreting experimental data and presenting it to the development team
- Preparing release documentation (test reports, change reports, etc..)
- Adhering to policies and industry guidelines for medical devices
- Contributing to problem solving in a creative and scientifically rigorous manner

### JOB REQUIREMENTS

- You hold a master's degree in photonics or optics, or have equivalent experience. Possessing a related PhD degree or having equivalent research experience is advantageous.
- You have hands-on experience and proficiency in working with lasers and optical equipment.
- Having at least a basic understanding of Python for collecting, analyzing and visualizing data is highly desired.
- Knowledge and experience with C++ and Linux is a bonus.

	JOB DESCRIPTION: Photonics Engineer	REC-000
	Implementation date: 31/07/2024	Version: 1 Page: 2/2

- Having a working knowledge of electronics is advantageous.
- Previous experience in a regulated industry, such as medical devices, is beneficial.
- Attention to detail and the ability to work in a structured and methodical manner are essential.
- You are enthusiastic about working in a dynamic start-up environment and can easily adapt to various tasks.
- You value working in a multidisciplinary setting and are interested in collaborating with international colleagues.
- You have the right to work and reside in Belgium.

## REQUIRED INTERPERSONAL SKILLS, KNOWLEDGE, OR ABILITIES

### Specific skills:

- Strong understanding of optics, light sources, fluorescence, ...
- Methodical and precise work
- Responsible attitude
- Accurate analysis of experimental data
- Ability to write clear and well-organized reports
- Proficiency in spoken and written English

### Interpersonal skills:

- Strong communication skills
- Collaborative team player
- Scientific curiosity and creativity
- Autonomous

## WORK ENVIRONMENT

Trince offers a dynamic, innovative, and stimulating work environment with a competitive compensation package. The company operates in a setting where the emphasis is placed on the quality of work, autonomy, and flexibility. You will have the chance to expand your expertise in the field of biophotonics. Our offices are conveniently situated in Ghent, Belgium, in an appealing business district.

## APPLY FOR THIS JOB

To apply for this position, kindly send your CV and cover letter to Ms. Hanna Baert at [hr@trincebio.com](mailto:hr@trincebio.com).