



## THE SWATCH GROUP RESEARCH AND DEVELOPMENT LTD

The Swatch Group ([www.swatchgroup.com](http://www.swatchgroup.com)) is the world first watch manufacturer. Its well-known watch brands cover all price segments all over the world. The group strength is its ability to do all key fabrication steps in-house from raw materials to finalized mechanical and electronic watches (vertical integration).

As the central corporate research lab our mission is to be always at the forefront of the technology evolutions. This is achieved by in-house R&D activities in various domains, as well as collaborations with external research institutions and universities.

For our activities in applied optics we are looking for

### **An Experienced Optical Physicist**

Who will be an active and initiative part of a small motivated team developing micro-optical watch components as well as applying optical principles for production processes.

Main tasks will be:

- Technology scouting and early identification of the latest trends in research & development of optical and photonic technologies.
- Design, modeling and realization of micro-optical watch components. Development of corresponding fabrication processes.
- Definition, evaluation and implementation of optics based technologies for production and quality control.
- Independently define and manage R&D projects internally as well as with external partners to achieve fixed objectives.
- Documentation of developed solutions.
- Consulting for Swatch Group companies on optical principles.

Requirements are:

- Academic education in physics, material science, microtechnology or equivalent.
- Several years of experience in optical engineering or applied photonics in industry or equivalent.
- Profound understanding of optical physics, optical design and modeling.
- Hands-on experience with optical laboratory setups and instruments.
- Know-ledge about microfabrication methods at industrial level.
- Habitude of taking initiative and of working independently.
- Analytical thinking and capacity of oral and written synthesis.
- Motivation to work in a multidisciplinary and multinational team.

Required languages:

- The candidate should be, or willing to become fluent in oral French (which is the main social language at work).
- Good oral and written English is a must for our scientific and engineering environment, as well as participation in international workshops, trainings and collaborations.
- German is an asset to take full advantage of our unique position in the center of Europe and at the language border between German and French communities.

We offer you top level working environment and very good social benefits.

If you are efficient, autonomous, responsible and motivated by technical challenges, please submit your application with curriculum vitae and certificates to

The Swatch Group Research and Development Ltd, division ASULAB  
Rue des Sors 3  
CH-2074 Marin, Switzerland

Valérie Cuenoud, direct phone ++41-32-755-5605, e – mail: [vcuenoud@asulab.ch](mailto:vcuenoud@asulab.ch)