

## 1 Nanofabrication Specialist Position with LSPR AG

LSPR AG is a biosensing company located in Zürich. LSPR AG develops, fabricates and sells advanced biosensing products at the forefront of what is currently technologically feasible for the life sciences industry. LSPR AG is currently seeking a trained cleanroom specialist (electrical engineer, physicist, chemist, materials engineer, etc) with a strong focus on advanced research and development.

### Tasks

- Deep involvement in cleanroom sensor fabrication.
- Research & development in nanofabrication.
- Quality assurance of clean room fabricated sensors.
- Cleanroom fabrication equipment development, procurement & commissioning.

### Required Skills

- Higher education as an electrical engineer, physicist, chemist, materials engineer, etc.
- Strong background in at least three of the following topics: thin films deposition and processing, polymer technologies, plasma etching, lithography techniques, microfluidics, and metrology (AFM, SEM, reflectometry and transmittometry).
- Experience with process development, volume production, fabrication troubleshooting and statistical process control.
- Capability to complete an assignment once it has been accepted within time and budget.
- Willingness to do advanced research and development work in a competitive commercial environment.
- Excellent multi-tasking skills with ability to work in a multidisciplinary environment.
- Matlab/ Octave or Python fluency or willingness to acquire such.
- Demonstrated research track record.

### Advantageous Skills

- PhD in electrical engineering, physics, chemistry, biochemistry is a definite plus.
- Hands on biochemistry and surface chemistry is a great asset.
- C++ programming experience.
- Good knowledge in 3D-CAD software.
- Familiar with mechanical workshop (mechanical tools, CNC milling, 3D printer, etc).

### Personal Skills

- Capability to operate in a diverse human culture and good manners.
- Understanding the significance of quality and dedication.
- Initiative, structured approach to work and a sense of urgency since failure is not an option.
- Pride in one's work, team player, discretion.

### Remarks

We emphasize that the successful candidate's current specialization is of much lesser importance than his or her absolute willingness to engage in a company where the individual contribution to overall success is directly visible. It is not possible to hide behind others.

### How to apply

If you still think you have what it takes, then you are cordially invited to send your dossier, including CV, list of publications, motivation letter, funding track record, and references to [benedikt.oswald@lspr.swiss](mailto:benedikt.oswald@lspr.swiss) and in copy to [mohsen.bahrami@lspr.swiss](mailto:mohsen.bahrami@lspr.swiss). We explicitly encourage women to apply.