



## JOB DESCRIPTION

# BIOSENSORS SCIENTIST

DROPLITE is a startup created in 2018 developing a portable device capable of performing *in-vitro* diagnostics (IVD) based on immunoassays from a single drop of blood in only a few minutes. We are targeting rapid diagnostics in different health related fields such as: allergies, hormones monitoring, infectious diseases, veterinary, among others.

We are currently looking for an experienced **Biosensors Scientist** with background in immunochemical assay development and biosensors to head up our in-vitro diagnostics team based on Barcelona, Spain.

This is an outstanding opportunity to join our innovative startup, which is at the forefront of *in-vitro* biosensor diagnostics. In return we offer a competitive salary and attractive benefits. Projected start-date: July-August 2019.

### Skills and Responsibilities:

You will be responsible for the design, formulation and development of novel nanoparticle-based immunochemical assays in a micro-arrayed format within a microfluidic biosensing platform with optical transduction technology. Important notice, we expect you to lead the immunochemical/nanotechnology team, collaborate actively with the engineering team, and to brainstorm and implement new ideas that will help push the team and startup forward.

- Ph.D. preferred in nanotechnology, chemistry, biochemistry, material chemistry, biology or a relevant subject (or equivalent experience).
- Proven practical experience in surface chemistry and surface modification with biomolecules.
- Strong experience in immunoassay design and development. Practical knowledge in micro-arrayed immunoassays would be desirable but not essential.
- Proven practical experience in bioanalytical techniques such as ELISA and other types of immunoassays.
- Practical knowledge of techniques for protein/antibody conjugation and immobilization onto solid surfaces/nanoparticles.
- Experience with nanoparticles and nanoparticle surface modification with biomolecules.
- Familiar with biosensor technology, in particular concepts like *lab-on-a-chip* and *point-of-care* devices.
- Integration of immunoassay reagents with optical transduction systems and with microfluidic analysis platforms.
- Experience with microfluidics would be desirable but not essential.
- Capability to develop new assays from concept through to validation and transfer them to manufacturing.
- Highly motivated to work on a fast-paced startup environment.
- Capability to generate new ideas, set new collaborations, find new applications.
- Innovator, eager to work on a startup.
- Highly creative and with an intrinsic entrepreneurial attitude. Organized. A self-starter.
- Ability to communicate ideas clearly and concisely.
- Medium-high level of written and oral communication skills in English.

Suitable candidates are requested to submit the following:

- Presentation letter with a declaration of interest.
- Curriculum Vitae, including full address, a contact phone number and e-mail address, as well as the contact e-mail of two potential references.

Candidates may contact [jobs@droplite.com](mailto:jobs@droplite.com) for sending the application and for informal inquiries.