



JOB OPENING: Principal Scientist – Lead Chemist for Biosensors

Bialoom is an ambitious, early stage deep-tech startup developing breakthrough silicon photonic biosensors for fast and affordable diagnostic tests. The mission of bialoom is to develop the necessary tools for rapid and effective diagnosis and treatment of acute infections at the point of need. bialoom aims at becoming the main beacon in silicon biotechnology innovation in the South Europe region and an international leader in our field.

JOB DESCRIPTION:

We are seeking a candidate to fill a Principal Scientist position leading the assay development and the bio-functionalization of the company's proprietary sensor chips. The role will require the candidate to work within an international consortium of experts in photonic biosensors and diagnostics. This role requires a combination of analytical, hands-on laboratory work, project management and academic writing skills. It requires flexibility from a candidate who can work well independently and as part of a small team. The candidate should enjoy taking on new tasks, have strong organisational and interpersonal skills while being keen of leading a new activity in the company.

The role will assume the following duties

- Plan and execute experiments for sensor bio-functionalization.
- Characterization of binding affinity and integration of binders and sensors
- Develop and maintain project timelines and provide updates and feedback to project leadership.
- Work cross-functionally with R&D, manufacturing, and external partners to develop and characterize processes.
- Partner with development teams to develop, test, and implement new test procedures.
- Transfer biochemical assays/protocols to current and new generation chips.
- Identify and implement new equipment and processes
- Contribute in publication writing
- Represent company in project meetings and conferences when required
- Some travelling will be required
- Other duties as assigned

It is essential that the applicant should have:

- A graduate degree (MSc, PhD) in a life sciences, biochemistry or related discipline.
- Experience with assay development and biosensors
- Experience with handling one or more biomaterials (Proteins, DNA, RNA, antibodies, bacteria, viruses etc., clinical samples).
- Proficiency with general chemistry and biochemistry laboratory techniques
- Project management experience
- Experience communicating with a range of stakeholders
- An analytical mind, with the ability to critically appraise information
- Ability to work independently
- Willingness to lead with significant professional initiative
- Excellent written and verbal English communication skills
- Experience in writing manuscripts and publishing in high impact journals

Additional skills that will be appreciated:

- Experience with photonic/electronic biochemical sensors
- DNA/RNA hybridization detection assays
- Microfluidic structures

Position will be based in Athens, Greece and Nicosia Cyprus.

**To apply please send your resume and personal statement at
info@bialoom.com**