Senior Scientist – Antibody Development

Bioherent is pioneering state-of-the-art photonic biosensors to transform clinical diagnostics. As a deep-tech spin-off from the University of Málaga, our cutting-edge biosensor technology is built on decades of research in photonics, chemistry, and clinical sciences. We are now scaling our technology to bring high-impact diagnostic solutions to market. Join us now to take on a high-impact leadership role in shaping next-generation medical diagnostics—while living in one of Europe's most sought-after cities!

Why join us?

- Full-time position in a company with top-tier talent retention policies.
- Responsibility-based working culture oriented toward better diversity, equity and inclusion.
- Fast-paced professional development in a multidisciplinary team of engineers and scientists.
- Build a project from the ground up with a truly relevant social impact.
- Collaboration with people-focused leaders in the fields of photonics, chemistry and medicine.
- Lead a team of talented scientists in developing next-generation immunoassays.
- Drive productization by transitioning R&D assays to validated, scalable diagnostic solutions.

Key responsibilities

We are looking for a talented and motivated Scientist/Senior Scientist to join our team. The selected candidate will lead the antibody development and validation for our photonic immunoassay platform. **We seek someone eager to grow professionally, with experience in antibody production,** characterization, and immunoassays, and strong organizational skills. This role offers an opportunity to make a real impact and advance within an agile, science-driven start-up. Your responsibilities include:

- Being responsible of performing experiment focus on the antibody development from start to finish (immunization – hybridoma screening – antibody engineering – antibody production).
- Express different antibody formats using mammalian expression systems.
- Purify expressed proteins using a range of chromatography techniques.
- Characterize and perform quality control of purified antibodies molecules using biochemical and biophysical methods (e.g. SDS-PAGE, CE-SDS).
- Design and generate DNA constructs using a variety of cloning strategies.
- This is a wet lab position and it is expected for you to directly perform the above-mentioned tasks.
- Analyze, interpret, and clearly communicate experimental data, both verbally and in written reports.
- Support the Immunochemistry team in antibody testing and contribute to day-to-day lab operations (e.g. maintenance of instruments, preparation of SOPs and risk assessments).
- Maintain accurate and timely records of all work in laboratory notebooks, in accordance with company procedures.
- Collaborate cross-functionally with the different departments (Chemistry, engineering and photonics) to ensure successful selection, implementation and execution of translational research and clinically relevant biomarker assays and plans.
- Being a proactive player in writing scientific publications and grants.

Required Skills

- PhD in Life Science, Molecular Biology, Immunology or related fields.
- 2+ years of experience in antibody/chimeric protein development, with strong understanding of ab engineering and scale-up
- In-depth understanding and hands-on research experience of molecular biology and cellular biology techniques, including DNA cloning and mammalian cell culture.
- Hands-on experience with in-vivo models (mice, rabbits).

Preferred Skills

- Experience in biochemical immunoassays (e.g. ELISA, SPR, RIA, CLIA)
- Hands-on experience with flow cytometry & FACS.
- Excellent communication skills, with the ability to translate complex scientific data into actionable insights.
- Fluent in English (spoken and written) for scientific documentation and cross-functional collaboration.

Applications will be reviewed on a rolling basis until the position is filled.