



Job Advert

Senior Scientist

Job Ref: SS2201
Reports To: Associate Director / CSO / SSII

The Company

Isogenica is a leading innovator in therapeutic antibody development, focused on enabling rapid advancement of next generation antibodies and antibody-based therapeutics through technical innovation.

VHHAntage® is Isogenica's fully synthetic VHH single domain antibody library, proven to yield high quality antibody fragments to a variety of target classes. CIS Display, our proprietary display technology, perfectly complements very large synthetic libraries. Isogenica is exploiting its technology platforms to enable the discovery of novel antibody drugs that address significant unmet medical needs.

Over the past few years, Isogenica has built strong and lasting relationships with several biotech and biopharma partners using CIS Display and VHHAntage®. This has resulted in a solid, diversified pipeline of partnered molecules – some of which are now in clinical development. In doing so, the company has built robust infrastructure and expertise for the discovery, characterisation and optimisation of therapeutic antibodies and antibody-based drugs.

Isogenica is now expanding its scope of activities to enable broader, deeper strategic relationships with biotech and pharmaceutical partners and to support internal VHH discovery and development. Aligned to this expansion, Isogenica is currently seeking an experienced Senior Scientist to join our Antibody Discovery team.

Job Overview

The role is to initiate, design and lead projects in the engineering and development of single and multi-specific VHH antibodies. You will take accountability for the engineering and development of multi-specifics and developability profiles after candidate selection, to transform lead molecules into potential therapeutics. You will demonstrate skill and expertise across different projects, rigorous scientific experimental design, execution and interpretation of data. You will also provide direction and guidance to colleagues and provide constructive input to the wider team.



Most of your time will be lab-based but office-based planning, management and reporting on programmes may become an increasing part of your role as you continue to demonstrate your ability to work autonomously and successfully deliver programmes, as well as influencing and leading colleagues to deliver shared goals. You will develop and demonstrate a sound understanding of company strategy and the Company's place in the market and plan accordingly whilst proactively contributing to the Company strategy and direction.

Technical expertise/training

- Knowledge and understanding of multi-specific antibody discovery industry and new developments in this area.
- Design and execution of antibody engineering strategies (e.g. multimerization, affinity maturation, humanisation etc), ensuring high quality of the resulting molecules.
- Experience working with prokaryotic and mammalian expression vectors, including stable transfection.
- Protein expression and purification from bacteria and mammalian cell culture using automated systems (e.g. AKTA) and data analysis using UV/VIS spectroscopy, SDS-PAGE, Western Blot, size exclusion chromatography, HIC, T_m etc.
- Antibody binding assays (ELISA, Alphascreen or HTRF).
- Analytical flow cytometry cell-binding experiments.
- General molecular biology work (DNA purification, PCR setup, restriction digests/ligations, *E. coli* transformation, gel electrophoresis etc).
- Maintenance of complex lab equipment/robotics.

Communication

- Preparation and presentation of project/programme summaries, interpreting data accurately and explaining results to colleagues informally, at team/company meetings or externally to partners/collaborators.

Management

- Based on broader industrial and technical experience and knowledge, you will identify, investigate and implement improvements to Isogenica's processes.
- Support and advise colleagues on rigorous data interpretation, experimental design and use of complex technical equipment and troubleshoot as needed.
- May have direct reports to manage, or act as mentor to more junior colleagues.
- Ensuring new methods are recorded in SOPs and logged.
- Comply with health and safety policies including conducting risk assessments and COSHH and raising of any H&S concerns with the line manager.



Behaviours and Values:

- The ability to work both individually and as part of a team is essential. Fostering collaborative relationships with colleagues is essential.
- Approachable, supportive and able to share knowledge and expertise to help others progress through coaching and mentoring colleagues and act as a role model to junior team members or direct reports.
- Fosters a culture of trust. Welcomes and provides support and respectful challenge.
- Creativity and innovation within the role, seeking to suggest improvements or contribute to team or company project plans using evidence from independent research to present and support good arguments or suggestions.
- Eagerness for learning and a proactive approach to expanding own knowledge and skills and able to take responsibility for the learning and development of team members or more junior colleagues.
- Demonstrable enthusiasm and passion for the work of the company, setting high standards for self and others and consistently setting high expectations.
- Takes personal responsibility and demonstrates good planning and organisational skills, with the ability to prioritise.

Salary:	Highly competitive salary and benefits package
Contract type:	Full-time
Closing date for applications:	31 st March 2022
Applications:	CV and brief covering letter to: jobs@isogenica.com

Applicants must have the permanent right to work in the UK.

