

## RS041 – Research Scientist or Senior Scientist Protein Production and Characterization

Isogenica is a preferred supplier for antibody discovery and engineering libraries and technologies, based on its proprietary DNA synthesis and protein display/selection methods. Our goal is to enable our licensees to be successful in drug development by providing antibody fragment libraries of the highest possible quality, and the best selection/optimization methods to mine those effectively.

### Overview:

To further enhance its capabilities in protein production, purification and characterization, the company seeks to hire an experienced and motivated Research Scientist or Senior Scientist. He or she will be in charge of optimizing recombinant protein production, purification and characterization workflows. This will include antibodies, antibody fragments and novel scaffold proteins as well as recombinant antigens. He/she will also train his/her colleagues in these methods, and assist in troubleshooting when required.

### Responsibilities:

- Design and clone protein expression constructs.
- Express proteins at small to medium scale in mammalian and bacterial cell systems.
- Design, execute and refine protein purification strategies (using Akta Pure and Start, Shimadzu and Agilent HPLC systems).
- Characterize recombinant proteins using an appropriate set of assays, including protein:protein interaction screens (ELISA, Alphascreen, HTRF, Octet BLI and IBIS array SPR methods) and biophysical characterization assays (MALDI-TOF, thermostability screens, solubility screens, aggregation propensity screening).
- Contribute to additional activities within the team, as required.
- Document experiments and procedures in laboratory notebooks, analysing and presenting experimental data within internal meetings, and participate in the drafting and implementation of standard operating procedures (SOP's).

### Requirements:

- MSc or PhD (for Senior Scientist) in protein sciences, with at least 2 years industry experience.
- Proficient in molecular biology techniques and software.
- Proficient in protein expression, purification and characterization methodologies. Hands-on experience with Akta FPLC, Octet BLI or Biacore/other SPR instrumentation is required.
- Experience in antibody selection using phage and/or other *in vitro* display systems or downstream antibody characterization is a distinct advantage.
- Experience in analytical flow cytometry (FACS) is advantageous.
- (for Senior Scientist) Previous line management experience of direct reports.

Our scientists are expected to deliver projects against agreed plans and quality targets. They are expected to have high-level practical skills and technical knowledge specific to their areas of responsibility. They will be responsible for maintaining expected levels, both personally and in the team of laboratory practises, record keeping and HSE standards.

The candidate must be able to demonstrate high motivation, productivity in a dynamic collaborative environment, flexibility, effective communication skills and good teamwork. Strong optimisation and troubleshooting skills and keen attention to detail are essential.

At Isogenica, we provide a supportive and creative working environment for talented individuals who are seeking a dynamic career at the cutting edge of biopharmaceutical research. Situated in a [great location](#), close to Cambridge but accessible, we offer competitive salaries and an attractive benefits package.

To apply, please send both your CV and cover letter to [jobs@isogenica.com](mailto:jobs@isogenica.com), quoting reference **RS041**, or post, to:

Human Resources  
Isogenica Ltd.  
The Mansion  
Chesterford Research Park  
Little Chesterford, CB10 1XL

*No agencies please.*

Closing day – 31<sup>st</sup> August 2018