

Lonza

Experience where it counts...

Lonza is an international, dynamic service provider in the biotherapeutics development and manufacturing field. Its newly created Protein Design Services business focuses on therapeutic protein design and optimization, with two centres of scientific excellence in Ghent (Belgium) and Cambridge (UK), dedicated to bring innovative solutions to drug discovery and biopharmaceutical development. The business unit brings together Lonza's AggreSolve™ platform for protein stability and aggregation assessment with the recently acquired Algonomics business, focusing on immunogenicity screening of protein therapeutics.

We are currently hiring scientists to join our Advanced Protein Technologies (APT) department in Cambridge (UK) to expand our capacity and service offering portfolio. We are looking for candidates with industrial expertise in fields such as structural bioinformatics, data-mining, immunology and immunomonitoring, preferably with a combination of these skills.

Scientists will be part of a multidisciplinary research and expertise team focusing on therapeutic antibodies, protein and peptide discovery and in the immunoprofiling and developability assessment of therapeutic proteins and vaccines. APT is a first class research centre with innovative computational and experimental technologies applied to unravel protein immunogenicity, stability and aggregation problems, characterise protein-peptide interactions and engineer safer and better biotherapeutics.

Lonza offers a pleasant, dynamic, hands-on and informal working atmosphere, combined with a competitive remuneration package.

We seek:

• Senior Scientists Immunology (SSI). Ref 52205

In expanding our in vitro immunogenicity screening platform, we are currently seeking a senior immunologist with experience in assay design and a strong background in cellular immunology. The candidates will have a Ph.D. in cellular immunology, published extensively in the fields of antigen presentation and adaptive immunity. The candidates will have strong skills in immunological techniques, flow cytometry and cellular biology. They will be willing to travel and build out contacts with diverse R&D centres worldwide at Lonza's global partners.

The candidates shall have strong communication and project management skills, and drive projects forward employing excellent scientific insights and result-driven approaches. They will have experience in supervising teams in an R&D environment, and deliver customer driven results in a timely way. The candidates will take advantage of a multidisciplinary and scientifically challenging environment and endeavour to develop innovative methodologies for the assessment of immunological responses to biotherapeutics.

• Junior Lab Scientists Immunology (JSI). Ref 52206

In expanding the capacity of our lab services and immunogenicity screening platform, we welcome lab scientists with experience in cellular assay development and a strong background in immunology. The candidates will proactively support the standardization and optimization of our assays and be involved in the communication with Lonza's customers.

Ideally, the candidate has a master degree or equivalent, and has prior industrial experience in cell culture, flow cytometry and immunological techniques such as ELISPOT. Prior experience with assay design is strongly recommended.

• Research Scientist Statistical / Mathematical Analysis (RSSA). Ref 52207

To expand our in silico tools, we seek a scientist with a very strong background in statistical / mathematical analysis applied to data mining in the context of biological properties of biopharmaceuticals. The candidates will have several years Post-doc and industrial experience in the application of different logical, probabilistic and mixed tools to data mining and machine learning. Candidates will have practical knowledge on logic programmes, decision trees, SVMs,

SOMs, NN, Bayesian networks, BLPs, etc. They will also be fluent in data analysis tools, such as principal component analysis (PCA), partial least squares (PLS), etc. and in non-linear regression analysis. Particularly encouraged applications from scientists with a good biological / biocomputational background, especially applied to proteins and protein structure.

The candidates shall have excellent communication and project management skills, and drive projects forward by employing solid scientific insights and result-driven approaches. They will have experience in working in multidisciplinary teams, and deliver results in a timely way. The candidates will show a proactive attitude to problem solving and communicate effectively with scientists of different backgrounds to develop innovative algorithms and computational methodologies for the assessment of biopharmaceuticals.

• **Senior Scientists Structural Bioinformatics (SSSB). Ref 52208**

To strengthen our structural bioinformatics team, we are currently seeking experienced senior scientists in structural bioinformatics. The candidates will have a Post-doc and industrial experience in protein design, modelling and/or engineering. They will have working experience in multiple modelling platforms and will have been actively involved in the rational design of therapeutic proteins and/or vaccines. A background in data analysis (PCA, PLS, etc.) and machine-learning approaches will be favourably considered.

The candidates shall have strong communication and project management skills, and drive projects forward employing excellent scientific insights and result-driven approaches. They will have experience in supervising teams in an R&D environment, and deliver customer driven results in a timely way. The candidates will take advantage of a multidisciplinary and scientifically challenging environment and endeavour to develop innovative computational methodologies to generate better and safer biotherapeutics.

• **Junior Scientists Structural Bioinformatics (JSSB). Ref 52209**

In order to strengthen our structural bioinformatics team, we are currently seeking a M.Sc. or PhD in structural biology or bioinformatics. The candidate shall work mostly on research and development projects related to protein-protein interaction, immunogenicity & stability assessment and protein engineering amongst others. They will have a deep insight in protein structure and design, particularly antibodies and preferably will have prior industrial experience.

Qualities & Attitude

A team player, able to share knowledge with others and actively participate in scientific discussions with other members of the APT team and collaborators. Able to work independently to an established plan, prioritise and work to tight deadlines. Essential to have good communication skills and a problem-solving attitude.

Duration

Permanent.

Are you interested?

Lonza offers a pleasant, dynamic, employee orientated environment and we take pride in both the quality of our products and the success of our employees. We offer a competitive remuneration package and encourage the development of individuals to help them achieve their full potential.

If you are interested in this opportunity please visit our website (www.lonza.com) and apply online via our E-recruitment portal.

About us

Lonza is one of the world's leading suppliers to the pharmaceutical, healthcare and life science industries. Its products and services span its customers' needs from research to final product manufacture. Lonza is the global leader in the production and support of active pharmaceutical ingredients both chemically as well as biotechnologically. Lonza is a leader in cell-based research, endotoxin detection and cell therapy manufacturing. Lonza is headquartered in Basel, Switzerland and is listed on the SIX Swiss Exchange. In 2008, Lonza had sales of approximately CHF 3 billion. Further information can be found on our website www.lonza.com.

www.lonza.com