

Scientist (Protein Sciences)

Summary:

Pheast is seeking an enthusiastic and creative scientist to join the Protein Sciences group. The candidate will work to discover and characterize therapeutic antibodies and other proteins, and will implement a variety of chromatography strategies (Protein A, IMAC, IEX, SEC, HIC) to purify proteins with or without affinity tags. The candidate will utilize SDS-PAGE, Western blot and ELISA to evaluate target proteins during and following purification. Additional experience with protein characterization including DLS/aggregation, HPLC, IEF, MS and glycan analysis is strongly desired. This is a unique opportunity to join our talented and friendly team in a fast-paced start-up environment. This position will report to the Director, Protein Sciences.

Responsibilities:

Position responsibilities may include, but are not limited to:

- Discover and optimize antibody therapeutics
- Express, purify and characterize antibodies and other proteins for *in vitro* and *in vivo* experiments
- Use structure-guided approaches to engineer antibodies and other proteins
- Characterize engineered proteins and antibodies through *in vitro* biochemical assays
- Independently perform complex experiments with strong attention to detail and documentation
- Interpret results and present program updates and data at group meetings
- Coordinate and collaborate with Biology and Discovery teams

Qualifications:

- Ph.D. in Biological Science (Molecular Biology, Structural Biology, Protein Biochemistry, Cell Biology, Immunology, Bioengineering) with a focus on molecular cloning, heterologous protein expression, protein purification and biophysical characterization, preferably with 5+ years of relevant industry experience
- Excellent written and oral skills are necessary to communicate results to project teams
- In depth knowledge and hands-on expertise with mammalian cell culture, protein expression, protein purification and characterization
- Hands-on experience with AKTA FPLC purification system techniques including IEX, SEC & HIC



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- Expertise in a wide range of molecular biology skills including PCR methods, vector design and related software
- Fundamental understanding of structure-function protein relationships and *in vitro* biophysical and structural properties of proteins and antibodies to guide protein engineering
- Understanding and experience with biochemical assays for measuring protein-protein interactions, such as flow cytometry, SPR/BLI and ELISA.
- Yeast or phage display experience is desirable