

Protein Engineer

Rec # 1019

Category: R&D

Job Type: Full Time, Exempt

Location: Onsite, US – MI – Plymouth

Summary:

We are looking for an exceptional scientist to drive protein engineering and related reagent development efforts in our Molecular Biology department. The ideal candidate will have a proven track-record of developing novel enzyme variants and other protein reagents for use in complex molecular biology applications. He/she should be driven by making great products and enjoy working in a truly multi-disciplinary environment. This position will interact closely with colleagues in computational biology, chemistry, consumables process development, manufacturing and microfluidics.

Key Responsibilities:

- Conceive, identify and develop novel/optimized enzymes and other protein reagents for assays running on the Celsee technology platform
- Plan and perform protein development by screening or directed evolution
- Plan and perform protein optimization by modeling, identification of limiting steps and use of formal design of experiment (DOE) approaches
- Plan and perform protein expression, purification and characterization
- Contribute protein engineering expertise and leadership to cross-disciplinary product development teams
- Work closely with computational biologists to interpret data generated by novel/optimized protein reagents
- Work closely with process development and manufacturing staff to develop quality control and manufacturing strategies for novel/optimized reagents

Required Education and Experience

- PhD in biochemistry, molecular biology or a similar field, with a minimum of 2 years post-graduate experience in academia and/or industry
- Proven ability to develop novel or optimized enzymes, affinity reagents or other protein reagents, as evidenced by peer-reviewed publications, published patents or launched products
- Experience in protein activity screening and directed evolution
- Experience in design, construction and characterization of protein variant libraries
- Experience in protein expression, purification and characterization
- Strong organizational skills
- Strong written and oral communication skills
- Ability to work in a fast-paced and quickly changing environment
- A strong desire to build game-changing technologies and impact the world of life science research

Desired Skills and Background

- Experience in next-generation sequencing technologies and applications
- Experience in genomics, genetics and/or immunology
- Experience in set-up, running, & computational analysis of next-generation sequencing data

How to Apply:

For consideration, please submit CV to careers@celsee.com and mention the job description in the subject. No phone calls please. Only qualified candidates will be contacted.

Celsee is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status or any other characteristic protected by law.