

Leaf Expression Systems – Job Description

Process Development Scientist/Senior Process Development Scientist

Based at Norwich Research Park, Norwich, UK

Company Overview

Leaf Expression Systems is a contract development business specialising in the plant-based expression and production of proteins, metabolites and complex natural products for research and biomedical applications using a proprietary, transient expression technology, Hypertrans®.

Broad Description

The successful candidate will work in our purpose built state-of-the-art facility as part of the downstream purification team developing and validating protein purification processes for various high value proteins and complex natural products derived from plants. The role will be responsible for applying a variety of techniques (FPLC (ÄKTA), micro and ultrafiltration, SDS-PAGE, biophysical analysis and biochemical assays) to deliver research and non-clinical grade products to a variety of specifications for both internal and commercial customer projects.

Key responsibilities and accountabilities

1. Work independently and with other members of the Leaf Expression Systems team to deliver new product development projects to agreed milestones and timelines.
2. Develop and optimise purification processes for protein products for use by Leaf Expression Systems in both R&D and for customers. Apply techniques, such as filtration and FPLC, to ensure process scalability and commercial viability of products.
3. Perform finished product analytical testing and write standard operating procedures (SOPs) and batch manufacturing records for processes that have been developed in the laboratory to support reproducibility and technology transfer activities.
4. Ensure that technological advances are taken into consideration in downstream processing activities by keeping abreast of the literature and attending conferences.
5. Support the implementation of appropriate environmental, health and safety management systems to ensure ongoing compliance with regulatory authorities and customer expectations.
6. Work with the Process Development Manager in preparing proposals for new customer's projects whilst ensuring all downstream operating budgets deliver the business goals and individual project costs.
7. Working with relevant parties, participate in the writing of grant funding requests using requisite knowledge regarding protein purification and techniques.

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8. Support the Process Development Manager by undertaking ongoing training and support of junior team members and technicians.

Qualifications and Experience

Essential

1. BSc/MSc degree in biochemistry, biology, biotechnology or an associated life science.
2. Minimum 2 years practical experience in the research, development and scale-up of protein purification using techniques including fast protein liquid chromatography, micro and ultrafiltration, SDS-PAGE and western blotting.
3. Hands-on experience of performing protein characterisation using biochemical and/or biophysical assays.
4. A team player with excellent problem-solving skills, good scientific judgement and communication skills with a methodical and open-minded approach to dealing with challenges.

Desirable

1. PhD in biochemistry, biology, biotechnology or an associated life science.
2. Industry experience of downstream processing within a biopharmaceutical manufacturing environment, contract research or contract manufacturing organization.
3. Practical experience of VLP and/or antibody purification at scale.
4. Knowledge of plant-based expression systems.

Key Requirements

1. Eligibility to work in the United Kingdom

Employer	Leaf Expression Systems
Location	Norwich, UK
Salary	Negotiable
Contact	Ross Overman / Rebecca Holland
Discipline	Life Sciences, Biochemistry, Biotechnology, Botany/Plant Science, Drug Development & Discovery
Result Type	Jobs
Position Type	Permanent
Hours	Full Time

Apply info@leafexpressionsystems.com

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