

Development Scientist/Engineer – GE Posting

Posted Position Title

Process Development Engineer/Scientist

About Us

GE works on things that matter. The best people and the best technologies taking on the toughest challenges. Finding solutions in energy, health and home, transportation and finance. Building, powering, moving and curing the world. Not just imagining. Doing. GE works. For more information, visit the company's website at www.ge.com

GE Healthcare Life Sciences provides products and services used as tools for biopharmaceutical manufacturing, drug discovery and the latest in cellular technologies, thereby enabling our customers around the world to be more productive, effective and creative. Our motivation is to create better health for more people. Through our five decades of supporting the biopharmaceutical industry and its research partners to become more productive, we are helping to reduce costs, increase access and improve quality in the healthcare system. We use our expertise and know-how in imaginative ways to work with our customers to provide what's needed today and create products and solutions to enable the medical treatments of tomorrow. We add value to our customers by:

- Providing cutting-edge research tools that give deeper insights into cell function to enable disease diagnosis and the development of treatments.
- Enabling manufacturing productivity: we provide solutions for the entire bioprocess workflow (i.e. start-to-finish bioprocessing) helping our customers to develop and manufacture biopharmaceuticals more efficiently.
- Providing high quality support and maintenance services.

We are the home of many famous brands, including Whatman, Amersham, Biacore, WAVE, Applied Precision and more. Learn more about GE Healthcare Life Sciences

Role Summary/Purpose

You will be part of a diverse team focused on defining and executing process optimization & technology development projects within the cell and gene therapy & regenerative medicine fields. You will provide hands-on expertise in human cell culture and processing and will be responsible for overseeing the design and prototyping of innovative tools, technologies, and processes to address cell manufacturing workflow challenges.

Essential Responsibilities

- Engage external customers and internal partners to understand and overcome cell and gene therapy workflow challenges.
- Use your expertise in cell culture and cell processing to design, optimize and execute standard operating procedures.

- Work closely with biologists and biomedical/bioprocess engineers in the development of new cell therapy processes and products to overcome cell and gene therapy industry challenges.
- Drive effective communication across the organization and leadership team.
- Work with leadership to identify and prioritize future project opportunities.
- Identify, evaluate and recommend new and existing processes, novel technologies and improved workflows.
- Demonstrate continuous integrity, credibility, and positivity and motivate others to do the same.
- Continuously grow and adapt in a fast-moving field to keep yourself and the organization at the forefront of the cell and gene therapy and regenerative medicine fields.
- Design experiments in a hypothesis-driven manner to validate experimental predictions.

Qualifications/Requirements

- Ph.D., Master's with 6+ years of experience, or Bachelor's with 10+ years of experience with a degree in biomedical/bioprocess engineering, chemical engineering, biology, immunology, or a related field.
- Experience in conceiving, developing and independently carrying out a wide range of experiments and troubleshooting complex technical issues.
- Familiarity with CL1/CL2 lab procedures, aseptic technique, safety procedures, and equipment, preferably in a cGMP environment.
- Competent in mammalian cell culture including passaging, isolation, expansion and cryopreservation.
- Detail-oriented self-starter with excellent analytical skills and the ability to multitask and succeed in a team environment.
- Excellent English written and oral communication with strong record-keeping and documentation skills.

Desired Characteristics

- Experience culturing and processing a variety of primary human cell types
- Familiarity with bioreactors and scale-up/out cell processing technologies.
- Experimental software expertise using DOE (e.g. JMP, minitab), engineering (Matlab) or statistical (SAS, R, SPSS) software.
- Experience with advanced process modelling, data analysis and programming.
- Experience with fundamental analytical techniques in biology such as ELISA, flow cytometry Western blotting, qPCR, cell quantitation, and other relevant analytical techniques.
- History of successful biological or chemical assay development.
- Familiarity with cell and gene therapy or regenerative medicine.
- Demonstrated history of completing projects including leading and working within a team.

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