



JOB DESCRIPTION

Title: Lab Automation Engineer, for Kytopen

Overview

[Kytopen](#) is an MIT spinout streamlining the engineering of a wide array of human and human-derived cells for use in next-generation cell therapies, with the goal of expanding access to powerful new living medicines. We enable transformative therapies with our patent-pending continuous *Flowfect*[®] cell engineering platforms. The non-viral *Flowfect*[®] technology is a fast, scalable, and gentle gene delivery process that yields billions of high-quality engineered cells in minutes while maintaining cell health and function. We seek passionate, pioneering people to join the team on this mission.

Summary

The Lab Automation Engineer will work with Kytopen's Engineering team, supporting the efforts of the biology team at Kytopen and external customers. The qualified candidate will demonstrate the ability to independently execute lab automation as required for the development and use of the Kytopen *Flowfect*[®] cell transfection systems. This individual will work in coordination with internal and external customers to deliver custom-tailored technology that advances scientific goals.

Qualifications and Skills

The ideal candidate will be a high energy, confident individual possessing strong communication skills, possess a Biomedical Engineering, Computer Science, or Biology-related degree, with at least 2 years prior experience in the laboratory automation/liquid handling field.

Responsibilities and Duties (What we need)

- Design, write, test, debug, and validate laboratory automation scripts to develop and support the Kytopen *Flowfect*[®] technology
- Design, write, and debug proprietary Kytopen software
- Guide internal and external users through the use of developed tools and automation scripts
- Document and update guides, work instructions, and standard operating procedures as needed to ensure conformance with Kytopen's quality system
- Collaborate with and support the Scientific team in defining requirements, specifications, and procedures for *Flowfect*[®] technology platforms
- Support full-laboratory data systems and information management
- Support laboratory automation robotics, minimizing internal and customer down-time

Requirements (About you)

What:

- B.S. in engineering, software, or biology degree
- Experience working with automation in industry or academic setting
- Strong working understanding of biology and genetic engineering
- Self-starter capable of independent investigation
- Experience in C, C++, VBA, Python; web development experience a plus

KYTOPEN

- At least 2 yr experience with Liquid Handler platforms (e.g. Hamilton, Tecan, Agilent, PKI, etc)
- Understanding and familiarity with regulated Quality Management Systems
- Experience with planning and execution of verification and validation testing
- Experience working directly with internal and external customers
- Knowledge of electrical engineering strongly preferred
- Strong organizational, analytical, problem-solving, root-cause-analysis, and trouble-shooting skills
- Strong written and verbal communication skills

How:

- Ability to work within a diverse workforce and provide a positive and motivational work environment
- Entrepreneurial and comfortable in a fast-paced environment
- Ability to adapt to shifting constraints while maintaining high performance and morale
- Self-motivated and collaborative, with excellent time management
- Demonstrated leadership ability to exemplify Kytopen's values of: Impact, Passion, Integrity, Resilience, and Inclusivity