www.bioclavis.co.uk

Assay Automation Scientist

BioClavis Ltd – Glasgow, United Kingdom

About us:

BioClavis is a Glasgow-based precision diagnostics and pre-clinical testing spin-out of US-based BioSpyder Technologies. We're enabling the full promise and clinical utility of 'omic testing to deliver cost-effective care for individual patients in coordination with and context of the practical realities in today's healthcare systems. BioClavis leverages the proprietary TempO-Seq® transcriptomic/genomic platform technology (developed by BioSpyder), capable of efficiently analysing large cohorts with customizable biomarker panels of tens to thousands of genes, quickly and inexpensively. It has critical usability features, controls and does not require specialized instrumentation, ideal for expansion into the clinic. These strengths--in concert with centralized patient samples, clinical research partners, and economic decision making--allow accelerating content discovery, product development and adoption of a new generation of cost-disruptive precision medicine testing worldwide.

At the same time, TempO-Seq—as a broadly applicable molecular profiling assay—has been rapidly adopted by several government/regulatory groups, pharma companies and academic researchers for in vitro screening. We provide pre-clinical services to profile in high throughput an essentially unlimited multiplex (up to whole transcriptomes), enabling applications cost-prohibitive with other molecular technologies like arrays, qPCR, and sequencing. As such, it is now practical to provide a genomic/transcriptomic endpoint from 96 or 384 well systems to add valuable biological insight in addition to other HCS endpoints.

We're new, ambitious, growing rapidly, and seeking talented and motivated individuals to join the team.

How you'll spend your day:

In our dynamic environment, there is no typical day. So, this is a perfect environment to learn, stay excited and contribute. As the internal expert responsible for all automation efforts, you will work in a hands-on, detail-oriented manner (self-driven but interfacing well with management and the rest of the team) providing instrument programming, integration and automation solutions to our molecular biology laboratory in a GMP/GCP/CLIA-compliant environment. In addition to optimizing and overseeing operations for routine sample processing, you'll have opportunities to broadly contribute to long term goals of the company. Some days you'll conform to SOPs precisely, other days you'll contribute to R&D team experiments, review/revise SOPs, and perform other duties as needed. You'll also work closely with (and travel periodically to) our sister site in Carlsbad, CA, USA. Periodically, you'll work with our clients (often pharma companies) to implement our assay at their site (remotely or involving travel) on their hardware.

- Involvement in all aspects of assay automation development and instrument integration from concept, requirements definition, method development, optimization, troubleshooting and validation.
- Manage continuous development and support of automation processes for high-throughput operations.
- Work with scientists to select and evaluate laboratory instruments to meet our current and future needs.
- Determine an appropriate level of testing, verification and/or validation for new and existing automation platforms and methods, develop corresponding plans and summary reports commensurate with Quality Systems requirements.
- Maintain calibration, preventative maintenance, and proactively identify and remedy problems.
- Develop IQ/OQ/PQ documentation and write Standard Operating Procedures
- Integrate laboratory instrumentation with LIMS and inventory management systems
- Develop workflows in LIMS to capture automation processes and data recording

Abilities and Qualifications that will make you an ideal candidate:

- At least 2 year degree in bioengineering or chemical engineering, molecular biology, genetics, biochemistry OR 4 years of equivalent experience. Higher degree is preferred.
- Minimum of 3 years of direct experience including programming/scripting fluency with one or more automated liquid handling platforms such as Beckman, Hamilton, or Tecan.
- Ability to break down, analyse, and improve the functionality of an automated script or method.
- Experience with laboratory information management systems (LIMS) and integration of individual hardware components into automated environments.
- Knowledge of ISO, GxP, CLIA and/or HIPAA regulations governing handling and testing of patient samples in a clinical lab.
- Experience in the preparation of corresponding IQ/OQ/PQ documentation, functional and validation testing procedures, and SOPs.
- Ability to learn new concepts and think creatively.
- Excellent verbal and written communication skills.
- Function in a team environment, recognizing that priorities will shift according to business needs and maintain a flexible work schedule.

-- Send inquiries and/or CVs to hr@bioclavis.co.uk --