NOVACYT GROUP

INTERNAL VACANCY

Job title : PCR Design Associate
Location: Southampton - Primerdesign
Closing date : 26th October 2018

Job Summary

We are seeking a PCR Design Associate to support our needs for PCR assay design within the R&D department of a fast – growing and friendly biotech business.

Primerdesign are experts in real-time PCR, a molecular biology technique for detecting the presence of DNA and quantifying it. We have customers in many different industries including academia, research, healthcare, food industry and the veterinary industry selling to over 100 countries worldwide.

An exciting new venture for the company lies with developing kits and services in collaboration with some of the industry's largest players. There's an opportunity to make a difference to the future healthcare industry as well as build on your skills and the wider network.

The successful candidate will apply algorithms and programs to support assay design, develop design strategies, conduct in silico validation of assays and analyse experimental data. They will also apply their design knowledge to utilise innovative chemistries across a wide range of applications; e.g. expression profiling, genotyping, multiplexing etc. with the goal to improve the design process.

Main duties and responsibilities

- The development of assays: design PCR primers and probes for targeted assays.
- Curate sequence data and mine public databases for sequence content periodically.
- Work closely with internal and external collaborators to define the bioinformatics requirements for assays. Set timelines and perform design reviews.
- Assist in the data analysis and report writing of development studies, ensuring compliance with all applicable regulatory standards.
- Participate in R&D project team meetings as needed.
- Assist with laboratory tasks as and when asked. This may include the development and optimisation of new and existing products.
- Ensure the completion of research-related documentation (including technical summaries) in line with an ISO13485 quality management system.
- Provide regular progress reports on assigned projects.
- The provision of expert technical support for customers may be required.

Qualifications and experience required

- BSc in a Life Science subject
- Previous PCR knowledge and hands on-on experience is a must
- Proficient with bioinformatics analysis tools: multiple sequence alignment, BLAST analysis, open reading frame analysis etc

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Qualifications and experience required contd…

- Understanding of the biology behind genotyping, gene expression profiling, comparative genomics and genetic mapping
- The ability to work well within a team and have strong written and verbal communication skills is critical
- Excellent communication skills, organisation skills and outstanding attention to detail are required for this role

Desirable

- BSc in Bioinformatics, Computational Biology, Genomics or related field.
- 2 + years of relevant work experience; industry preferred.
- Expertise in mining public databases for genomic sequences.
- Expertise in sequence analysis tools for mapping and comparative genomics.
- Understanding of assay design, experience working in disease research and customer facing experience would all be highly advantageous.
- Experience of working within a quality system is highly advantageous, is particularly ISO 13485
- Previous experience in scientific product development or creating complex study designs desired.
- Previous statistical data analysis experience would be beneficial.

Hours of Work	37.5 hours per week

For further information or to apply for this vacancy please e-mail Kay Campbell, HR
kay.campbell@novacyt.com