

2017-04-21



### **Degree-project, 30 credits, at Q-linea AB**

Q-linea, founded in 2008, consist of a team of enthusiastic people with a variety of expertise; molecular and micro-biologists, mechanical and software engineers, senior administration, project management, and financial staff and is located at Uppsala Science Park. Our focus is procedures, instruments, and systems for protein and nucleic acid analysis, particularly with applications in the field of microorganism detection and identification and for *in vitro* diagnostics.

The last years have shown a dramatic change in how *in vitro* infectious disease diagnostics are performed at hospitals worldwide with the adaption of nucleic acid and mass-spectrometry methods for pathogen identification, in contrast to traditional phenotypic methods. For sensitive, rapid diagnostics, nucleic acid techniques are still un-surpassed. One major hurdle that Q-linea is one of the leaders in addressing is to achieve high multiplex, i.e. measuring many different targets, with good sensitivity and specificity.

We are looking for a Master's level student in molecular biology, micro biology or biotechnology for a project during fall 2017. The student will learn to work with molecular biology techniques such as Q-linea's proprietary probing and amplification techniques as well as PCR, microarrays and general nucleic acid chemistry. The focus of the work will be on Q-linea's next generation products and will thus offer a challenging project. At the same time it will give large room for own initiatives and proposals to be part of formulating solutions that can help more patients with infectious diseases to get the correct treatment faster. The student will be given responsibility for planning, from a given problem, execution and reporting of the results.

Q-linea offer a successful applicant to be part of a team that tackle the major health problem of infections with antibiotic resistant pathogens that currently affects over four million persons a year in EU and US alone, and even more pressing in developing countries.

Please send your application to:

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[www.qlinea.com](http://www.qlinea.com)