

## OPEN POSITION

AZ Delta General Hospital is recruiting a

### Bioinformatician-molecular biologist

to work in the Laboratory for Molecular Diagnostics at AZ Delta, Roeselare, Belgium

#### Summary

The Laboratory for Molecular Diagnostics at AZ Delta provides diagnostic testing for various types of cancer, infectious diseases and NIPT using PCR or NGS. Besides clinical diagnostics, the lab also develops several projects focused on diagnostic use of circulating tumor and fetal DNA and optimization of sequencing-based genomic tumor profiling. To support the rapid expansion of our diagnostic portfolio we are now looking for a professional with strong bioinformatic skills for NGS data analysis to work as senior scientist and project leader.

#### Your responsibilities include:

- **Tending to clinical diagnostics workflows:** you will assume operational responsibility for various NGS tests such as whole genome-NIPT, deep-sequencing of circulating tumor DNA and targeted NGS of tumor biopsies
- **Validation and implementation of novel data analysis pipelines and algorithms:** you are fluent in Linux, Python and R. You implement open-source scripts for whole genome NIPT (WISECONDOR) and analysis of SNV, CNV, MSI and fusions in tumor samples.
- **Development and maintenance of lab information systems**
- **Bioinformatics support for clinicians and researchers:** you serve as ambassador for our laboratory, by presenting new tests and data on (inter)national scientific congresses and by engaging interactions with treating physicians and clients.
- **Coordination of research projects** focused on early cancer detection and tumor surveillance by ddPCR and/or NGS-based analysis of circulating tumor DNA

#### Your profile

You have a master degree with a strong bio-informatics background (bioinformatics, software engineer) with expertise in molecular biology/DNA analysis. Alternatively you have a primary master in biochemistry/biotechnology (biochemistry, pharmacy, biology, bio-engineer, chemistry) with expertise in bioinformatics. A PhD and/or a publication track record in a relevant domain is a plus. You are fluent in English and are willing to take Dutch language classes if necessary.

#### Required skills:

- Experience with development and maintenance of wet lab analysis pipelines (NGS library construction) in an IVD/accredited laboratory
- Experience with scripting languages Python (minimal), Bash, PERL and/or Galaxy, sufficient to autonomously implement, troubleshoot and improve existing open-source scripts. Experience with Unix / Linux. Experience with R / Bioconductor / R Studio
- Excellent communication skills. You take initiatives and can work autonomously.
- You are accurate and honest, and have the discipline to work within a ISO-certified/accredited laboratory



#### Your workplace

AZ Delta General hospital (Roeselare, Belgium) is one of the largest community hospitals in Belgium. In 2019, the hospital will move to a new modern campus. You will work with an experienced team of 6 technicians and 2 postdoc molecular biologists. The medical interpretation and counseling of molecular tests is done by a team of expert clinical pathologists, coordinated by Prof. Geert Martens.

#### Our offer

We offer a competitive salary at IFIC 19 or higher (gross salary up to 5,900 euro/month depending on qualifications) plus benefits.

#### Interested?

Please send in your motivation letter and curriculum to [geert.martens@azdelta.be](mailto:geert.martens@azdelta.be). Apply before **December 23, 2018**. The selection consists of a screening based on CV followed by an interview for relevant profiles. All applications are strictly confidential. For practical information, please contact HR: Joke Moerkerke +32 51 23 82 83.