



VU medisch centrum
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<http://www.vumc.nl/werken>

Vacancy number
D5.2008.00138



Department

The department of pathology coordinates and participates in the DeCoDe project of the Center for Translational Molecular Medicine (CTMM, www.ctmm.nl). This recently started project aims to Decrease Colorectal Cancer Death (hence DeCoDe) and consists of a consortium of five university medical centres and eight industrial partners in The Netherlands, that jointly work in the fields of early molecular detection, personalized therapies and molecular imaging of colorectal cancer (www.ctmmdecode.nl). This 5-year project is funded by the Center for Translational Molecular Medicine.

Colorectal cancer (CRC) ranks second as cause of cancer related mortality in the developed world. Research topics within DeCoDe include stool DNA testing, proteomics testing, and molecular imaging for early detection of colorectal cancer, developing molecular diagnostic tests for prediction of prognosis and response to drug therapy, image guided surgery and developing new molecular radiopharmaceuticals for PET in patients with metastatic colorectal cancer.

Background of the function

We are looking for an enthusiastic programmer who is interested working in an academic environment, with the goal of improving patient care. Within our research team the Bio-IT has the following tasks:

- Develop IT-tools in close collaboration with researcher and statisticians
- Maintenance of microarray data database systems
- Facilitating interaction between databases and data analysis modules
- Visualisation of microarray study results
- Development of pipelines for initial data processing (reading raw data, normalisation, etc)
- Development of links between hardware and database systems
- Development of user-friendly GUIs for data analysis programs
- Development and maintenance of R-Bioconductor packages
- Supporting programming tasks

Requirements

We are looking for an accurate, fast and clever Bio-informatician / informatician with an academic background. He/she has experience with database management (Oracle, Microsoft SQL, MySQL) and preferably also with Microsoft Windows Server 2000 and 2003, Unix and Java. Programming skills are excellent. Knowledge of statistical methods and the statistical language R is highly appreciated. Affinity with research in the fields of cancer, molecular biology and data analysis is a prerequisite. Finally, he/she is a team worker yet able to work independently and has a good knowledge of English.

We offer

We offer a young and dynamic research environment in health care covering genomics and data analysis. Your position is at the VU University medical center, microarray core facility, dept. of Pathology. The initial position holds for one year, which may be extended. Salary scale 9-10 (CAO academische ziekenhuizen), depending on experience and education.

More information?

Please contact Dr.ir. M.A. van de Wiel, Coordinator genomics data analysis, Department of Epidemiology & Biostatistics, Telephone: 020-4442368/5987679, Email: mark.vdwiel@vumc.nl or S. Smeets, Department of Pathology, Telephone: 020-4442412, Email: S.smeets@vumc.nl

How to apply

Please mail your application and your CV to cb5@vumc.nl.

You can also send your application and CV by post to: Divisiebureau divisie V, Ms. M.E. van Eerden, VUmc, PK 5X 178, PO Box 7057, 1007 MB Amsterdam