



VU medisch centrum  
de Boelelaan 1117  
1007 MB Amsterdam  
<http://www.vumc.nl/werken>

**Vacancy number**  
D5.2008.00137



---

### Department

The department of oncology, in particular the oncoproteomics laboratory, participates in the DeCoDe project of the Center for Translational Molecular Medicine (CTMM, [www.ctmm.nl](http://www.ctmm.nl)). This recently started project is coordinated by VUmc and aims to Decrease Colorectal Cancer Death (hence DeCoDe). The project 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](http://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

The successful candidate (PhD student) will identify and validate biomarkers for molecular MRI imaging. The project includes development and implementation of quantitative mass spectrometry techniques for elucidation of cell-surface proteins, and application of them to study perturbations in normal colon tissue, colon adenomas and carcinomas. The imaging potential of candidate biomarkers will be determined using antibody-based techniques on tissue sections, and *in vivo* animal models.

### Requirements

We are looking for a highly motivated candidate with a background in biology/ (bio)chemistry, biomedical sciences, biological mass spectrometry or other relevant field. Preferably, the candidate should have knowledge of the analysis of large data sets. Animal experimentation forms an essential part of this project. Applicants should have, or be willing to obtain, an "Article 9" permit for the design and execution of animal experiments.

### We offer

The project will be carried out within the Cancer Center Amsterdam, which offers an international and dynamic research environment. The OncoProteomics Laboratory ([www.oncoproteomics.nl](http://www.oncoproteomics.nl)) provides state-of-the-art mass spectrometry instrumentation and excellent facilities for functional proteomics research. Collaboration with the Dept. of Pathology ensures access to (tumor) tissues, and expert immunohistochemical techniques.

The successful candidates will be employed at the department of oncology at the VU University Medical Center at Amsterdam. The temporary employment will be for a period of 4 years. The gross salary per month will be according to the OIO scales, depending on previous experience. The terms of employment will be in accordance with the CAO Universtair medische centra.

### More information

For more information please contact: Dr. Connie Jimenez, Department of Medical Oncology, Telephone: 020-4442340; Email: [c.jimenez@vumc.nl](mailto:c.jimenez@vumc.nl)

### How to apply

Please mail your application and your CV to [cb5@vumc.nl](mailto: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