

PhD student
in
Proteomics, Genomics and Molecular Biology

The **Group of Quantitative Proteomics and Chromatin Biology** of the Department of Physiological Chemistry of the University Medical Center Utrecht, The Netherlands and participant of the **Cancer Genomics Centre** invites applications for a PhD student in Proteomics, Genomics and Molecular Biology.

The successful candidate will work on several proteins that we found to interact with modified histone tails and will screen a variety of histone modifications for novel interactors as an extension of our previous work (Vermeulen *et al.* Cell 131, 58-69, 2007). Furthermore, the student will use cross-linking techniques to study transient protein-protein interactions. Other techniques include but are not limited to the use of high accuracy quantitative mass spectrometry to study protein-protein interactions, recombinant protein biochemistry, microscopy, functional siRNA knock-down experiments and genome wide transcription factor profiling (ChIP-seq).

We are looking for a creative, talented and motivated individual with a strong background in biochemistry or biological sciences. The PhD candidate should hold an advanced degree such as Master of Science (M.Sc.) or its equivalent. Affinity with bioinformatics is recommended but not absolutely required.

We offer a position in an international group with an excellent infrastructure that integrates advanced genomics technologies, advanced microscopy, molecular biology and proteomics. The application of high accuracy quantitative mass spectrometry to study chromatin structure and function offers the successful candidate a unique opportunity to operate on the border between these two exciting fields. Our group is part of a national top program, the Cancer Genomics Centre www.cancergenomics.nl, one of the Centres of Excellence of the Netherlands Genomics Initiative (NGI).

The successful candidate will be employed at the University Medical Center Utrecht and receive a salary that is in accordance with the Netherlands salary scales for academics. Applications, including a complete CV and two letters of reference - or the e-mail address of two references - should be sent to Dr. Michiel Vermeulen (m.vermeulen-3@umcutrecht.nl)