



We have a post-doctoral position available at Utrecht University in the Biomolecular Mass Spectrometry and Proteomics group. The research in the group emphasizes on the development of advanced mass spectrometry-based proteomics methods to address questions in relevant biological systems. The laboratory houses an excellent infrastructure, including a dozen state-of-the-art mass spectrometers, advanced separation technologies, bioinformatics, and laboratories for cell culture, biochemistry and molecular biology. The research group is vibrant and houses over 15 nationalities - Utrecht is a great place to be!

For this position, the work is embedded in the Netherlands X-omics Initiative (<https://www.x-omics.nl/>) and participation in local meetings, the proteomics pillar and helpdesk for this consortium is expected. The aim is to integrate developed technologies and data analysis into multi-omics workflows.

## **Position: Post-doc proteomics method development in an X-omics environment**

In recent years we have developed new proteomics methods ranging from improved separation and enrichment methodologies to new fragmentation techniques and targeted analysis of post-translation modifications (PTMs). These improvements enable us to decipher the complexity of the human proteome, consisting of dynamic protein-protein interactions, PTMs, protein synthesis and degradation, protein complex assembly and disassembly, etc. To further advance the impact of our proteomics tools in the biological and clinical setting, smooth integration with other omics technologies such as genomics and metabolomics is a prerequisite.

For this position, we seek a highly motivated biochemist or analytical chemist with proven expertise in mass spectrometry and proteomics. Having your own project, you will team-up with dedicated researchers combining expertise in biochemistry, analytical chemistry, mass spectrometry and bioinformatics to further develop state-of-the-art proteomics methods that will answer pressing biological questions. As part of the Netherlands X-omics Initiative you will interact and collaborate with national and international researchers to enable the efficient integration of proteomics data and workflows with other omics technologies and enable the translation of the integrated X-omics datasets into biologically relevant information.

### *Recent illustrative work*

1. Kleinpenning F, *et al.* (2020) Fishing for newly synthesized proteins with phosphonate-handles. **Nature Communications** 11(1), 3244.
2. Schmidlin T, *et al.* (2019) High-Throughput Assessment of Kinome-wide Activation States. **Cell Systems** 9(4):366-374.
3. Ressa A, *et al.* (2018) A System-wide Approach to Monitor Responses to Synergistic BRAF and EGFR Inhibition in Colorectal Cancer Cells. **Molecular & Cellular Proteomics**. 17(10), 1892-1908.



# Universiteit Utrecht

## Information

1. Position: PostDoc
2. Location: Utrecht University, Utrecht, Netherlands
3. Duration: 4 years (PostDoc)
4. Start date: After consultation, as soon as possible
5. Background: Experience with Proteomics Workflows, systems biology, high end proteomics is appreciated
6. Apply with motivation letter, CV and 2 references
7. Deadline for application: 15<sup>th</sup> of November 2020
8. For further information contact [m.altelaar@uu.nl](mailto:m.altelaar@uu.nl), applications can be send to: [c.c.heuzer@uu.nl](mailto:c.c.heuzer@uu.nl)