

Master Training/Internship in Mass Spectrometry-Based Structural Proteomics

"I want a direction to follow and challenges to stretch me"

Nestlé Research, Nestlé Institute of Food Safety & Analytical Sciences (6 Months)
Lausanne, Switzerland Activity rate 100%

Proteins, *via* their conformations, interactions and associations acquire specific functional and biological properties. Several mass spectrometry (MS)-based techniques have been proposed to deal with the structural proteome and the measurements of its alterations.

Nestlé Research is based in Lausanne, Switzerland and employs approximately 800 people. It consists of four major research institutes: Health Sciences, Material Sciences, Food Safety & Analytical Sciences and Packaging Sciences. Nestlé Research combines fundamental science at the highest level, high-end analytical platforms leveraged by all research teams, and strong prototyping capabilities to accelerate the translation of science into innovation. Nestlé Research published around 1,000 scientific publications in peer review journals over the last five years, and files about 80 patents every year. Nestlé Research collaborates with approximately 100 universities or research institutes around the world. Learn more about Nestlé Research at www.nestle.com/randd

As a Master Trainee in our Analytical Sciences department, your main activity will be to develop workflows to assess structural components of the milk proteome.

Key responsibilities

- Develop and apply of proteomic workflows to identify protein complexes.
- Perform state-of-the-art liquid chromatography and high accuracy/high resolution MS analysis.
- Analyze and interpret MS proteomic data.
- Write experimental protocols and a final report.
- Present research findings.

Education and experience

- Master student in chemistry, biochemistry, or biology.
- Working knowledge in sample preparation and/or analytical instrumentation.
- Experience with liquid chromatography (*e.g.*, reversed-phase and/or size-exclusion), mass spectrometry, proteomics and/or bioinformatics is highly desirable.
- French and/or English (spoken and written).

Show us that you are able to work independently and that you are able to propose creative solutions. Your strong communication skills and willingness to learn is what will set you apart from the other candidates. If you are an excellent team player and you are passionate about making a difference to our performance, then apply in English by sending an e-mail to loic.dayon@rd.nestle.com.

The Nestlé Group is the world's largest food and beverage company with 91.4 billion Swiss Francs in sales in 2018. It is present in 190 countries around the world, has 413 factories and its 308,000 employees are committed to Nestlé's purpose of enhancing quality of life and contributing to a healthier future. Nestlé offers a wide portfolio of products and services for people and their pets throughout their lives. Its more than 2000 brands range from global icons like Nescafé or Nespresso to local favourites. Company performance is driven by its Nutrition, Health and Wellness strategy. Nestlé is based in the Swiss town of Vevey where it was founded more than 150 years ago. Learn more about our Group and reasons to join us on www.nestle.com.