

## Master Trainee in Lipid structuring

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

**Nestlé Research, Nestlé Institute of Material Science  
Lausanne, Switzerland**

**Internship (6 Months)  
activity rate 100%**

The overall objective of this 6 months internship is to investigate how fat can be structured in order to ensure optimum physical properties (e.g. optimize mechanical properties) and providing good organoleptic impact.

The student will produce prototypes and will characterize them paying particular attention to the relation between microscopic structures (e.g. crystalline organization), macroscopic properties (e.g. hardness) and taste. She/He will perform analytical work using for example optical microscopy, texture analyzer (mechanical measurements), differential scanning calorimetry, X-ray diffraction and low resolution nuclear magnetic resonance (NMR). She/He will also have to develop innovative experimental methods for better modelling of food products.

Nestlé Research is based in Lausanne, Switzerland and employs approximately 800 people. It consists of three major research institutes: Health Sciences, Material Sciences and Food Safety & Analytical 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](http://www.nestle.com/randd)

### **Education and experience**

- Masters study in physical chemistry or related fields
- Fluent in English
- Exposure to a physical chemistry laboratory would be a plus

Show us that you have the ability to plan and execute experiments, to develop new food concepts, to integrate in a research group and to communicate with technicians, scientists and experts. In addition, you will have to present clearly and in a convincing way your work in written and oral form.

Apply in English or French. Send your application to [Laurent.Sagelowicz@rdls.nestle.com](mailto:Laurent.Sagelowicz@rdls.nestle.com)

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