

BSc Thesis in Mass Spectrometry for Metabolomics in a food technology start-up in Munich

We are Harmonize, a team of international scientists and entrepreneurs from the [Max Planck Institute of Biochemistry](#), supported by the [EXIST Transfer of Research](#) ("EXIST Forschungstransfer") federal grant for a spin-off.

We develop new technologies based on state-of-the-art analytical methods such as high resolution **mass spectrometry** in combination with sophisticated data processing and **artificial intelligence** methods for controlling and designing new flavours.

We are looking for a student for a BSc thesis project.

Your immediate role in our team will be in the areas of:

- sample preparation for HeLa cell lines
- mass spectrometry method testing and benchmarking
- mass spectrometry measurements

You will also have the chance to:

- work on developing data processing and analysis methods for mass spectrometry data
- apply state-of-the-art artificial intelligence methods in the analysis of mass spectrometry data

Get in touch with us, if you are:

- a bachelor student in chemistry, biology, biochemistry or related subjects
- dedicated, organised, punctual and a team player

Beneficial, but not necessary skills and knowledge to have:

- wetlab
- cell culture
- programming in Python

The project can be summarised as follows:

- preparing HeLa samples for testing and benchmarking
- measuring and generating adequate amounts of data
- concluding with a best practice for metabolomics measurements of HeLa samples

If you are interested, please send us your CV and a short motivation letter to:
projects@harmonize-solutions.com