

LimmaTech Biologics AG, located in Schlieren-Zurich, is a clinical stage biopharmaceutical company developing novel bioconjugate vaccines and biotherapeutic proteins employing various glycoengineering technologies. We are always looking for passionate and clever coworkers, thus we offer a:

Master thesis or trainee position for an M.Sc/B.Sc student (for a minimum of 6 months)

The goal of the project is to establish mass spectrometry-based top-down and bottom-up approaches for the characterization of a glycoengineered biopharmaceutical protein of interest. Your task will be the development of analytical methods that can be used for peptide mapping, sequence identification and verification as well as the characterization of post-translational modifications (in particular glycosylation) of a glycoengineered bioconjugate vaccine or biotherapeutic protein candidate.

After training by experienced researchers, you will independently plan your experiments, prepare samples, perform mass spectrometry experiments and analyze your data using different software packages. This will include testing of different matrices for MALDI TOF experiments, testing of analysis parameters and sample preparation strategies. You will work on the establishment of both bottom-up (peptide mapping and peptide sequencing) as well as top-down (e.g. in-source decay) proteomics workflows for the biological analysis of a biopharmaceutical protein of interest.

Your duties:

- Performing scientific research under guidance of an experienced supervisor
- Performing experiments within the analytics/mass spectrometry team (sample preparation, MS experiments, data analysis)
- Participating in lab meetings and presenting data department seminars and scientific meetings
- Developing your scientific and analytical skills and learning how to work independently
- Maintaining and assuring proper functionality of laboratory equipment to current safety and operational standards
- Detailed and reliable documentation of experiments, maintaining lab journal according to correct legal sign-off procedure

Your profile:

- M.Sc. or B.Sc. student in Biochemistry, Biotechnology, Chemistry or similar from a recognized institution of learning
- Hands-on experience in mass spectrometry and/or glycoprotein analytics
- Highly motivated and eager to adapt and acquire new techniques
- Verbal and written communication skills in English

The aim of your internship is to make discoveries that support the development of high quality carbohydrate therapeutic proteins produced in recombinant cells. At the same time, you will develop your scientific skills and knowledge and will gain industrial experience.

The working place is in Schlieren near Zürich, easily accessible by public transportation. If you meet the requirements of this exciting position and you would like to work in a friendly, highly motivated and dynamic team, we are interested in hearing from you.

Please apply directly via our website www.lmtbio.com/careers, choose the vacancy on the right hand side and click on 'Apply now' at the bottom of the ad. Press the "Submit" button to send your detailed application. Your documents must be in one PDF file.