

LimmaTech Biologics AG, located in Schlieren-Zurich, is a clinical stage biopharmaceutical company developing novel vaccines and protein therapeutics 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 this thesis is to develop a defined, animal component-free medium for a eukaryotic organism with a high potential for applications in the field of glycoengineering and protein glycosylation technology. Your task will be the identification of a medium that enables fast and robust growth and efficient production of therapeutic proteins.

After training by experienced researchers, you will independently perform different forms of cultivations on a regular basis, including static, shake flask cultures, and fermentations in small-scale bioreactors. The aim of these cultivations will be the design of an optimal batch medium and the identification of critical nutrients by pulsed feeding experiments. Furthermore, you will analyze the quantity and quality of the target antibody after small-scale purification. The knowledge-based medium improvement includes a combination of statistical experimental planning (*e.g.*, by design of experiment), interpretation of spent medium data and applying diverse analytical methods.

Your duties

- Performing scientific research under guidance of an experienced supervisor
- Performing research experiments in one of our projects by using biotechnological techniques such as cell cultivation, medium design, recombinant protein expression, protein and carbohydrate analysis, etc.
- Participating in lab meetings and presenting your data
- Developing your scientific skills and learning how to work independently

Your profile:

- M.Sc. or B.Sc. student in Biochemistry, Biotechnology, Microbiology or similar from a recognized institution of learning
- Hands-on experience in standard laboratory techniques such as recombinant protein expression, SDS-PAGE, Western Blotting
- Experience in fermentation and/or chromatography is a plus
- 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. This is an ideal opportunity to further deepen your scientific credentials and gain experience in an industrial environment.

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.