IAESTE SWITZERLAND

WORK OFFER

Ref. No. CH-2018-000061

Employer Information

Employer:	Biognosys AG R&D	*Website:*	www.biognosys.com
	Wagistrasse 25	*Location of placement:*	Schlieren ZH
		Number of employees:	35
	8952 Schlieren Switzerland	*Working hours per week:*	42.0
Business or products	Contract research, kits and software in proteomics	*Working hours per day:*	8.4

Student Required

General Discipline:	26-BIOLOGICAL AND BIOMEDICAL SCIENCES 40-PHYSICAL SCIENCES	*Study level:*	End (7 Semesters and over)	
Field of Study:	26.0202-Biochemistry 26.0204-Molecular Biology 26.0205-Molecular Biochemistry 26.0210-Biochemistry and Molecular Biology 26.0299-Biochemistry, Biophysics and Molecular Biology, Other 40.0501-Chemistry, General	*Language required:*	English	Good

Other requirements:

Knowledge in sample preparation in proteomics, liquid chromatography mass spectrometry, data analysis
Autonomous and responsible working style, comfortable in an interdisciplinary environment
Must be a Master student!

Work Offered

The company was founded in 2008 as a spin-off from the ETH Zurich and is a leader in next-generation proteomics, offering services and products for precise high-content protein quantification. Their technology quantifies proteins with unbeatable precision and depth. The company has product and service customers in industry and in academia all over the world.

Tasks (Master Thesis Project):
Sample preparation is an essential part in every proteomics experiment. An optimized sample preparation makes all the difference to whether a project is successful or not. Your first project will be to optimize plasma sample preparation with respect to the efficiency of the tryptic cleavage of proteins. Other criteria such as the reproducibility, chemical modifications of the proteins and simplicity of the protocol will also be considered. The second project is about optimizing the parameters of our target deconvolution platform. Differential limited proteolysis (LiP) of proteins can be used to find novel targets of small molecules which are e.g. hits from a selection process in a phenotypic screen. LiP is a new and very powerful approach which doesn't require time intense and potentially problematic chemical modification of the small molecules. Hence, LiP is an essential component for a fast and cost-effective drug development.

Latest starting date: November 2018

Full description available as PDF

Number of weeks offered:	26 - 52	*Working environment:*	Research and development
Within the months:	01-APR-2018 - 30-SEP-2019	*Gross pay:*	2,500 CHF / Month
Or within:	-	*Deduction to be expected:*	approx. 10 % Social security AHV/IV
Holidays:	-		

Accomodation

Lodging will by arranged by:	IAESTE LC Zurich	*Estimated cost of lodging:*	750 CHF / Month
		Estimated cost of living incl. lodging:	1,600 CHF / Month

Additional Information

Students with any NON-EU/EFTA nationality need to provide an official letter from their university, confirming that the traineeship is compulsory (IAESTE Switzerland will apply for visa and work permit)

Nomination Information

Deadline for nomination:	19-APR-2018	*Please send nominations by*	Exchange Platform

Date: 16-APR-2018 *On behalf of receiving country:* Sabine Lenz