Chemistry & Chemical Engineering Internship

Job Location: Lausanne, Switzerland
Starting date: As soon as possible
Posted: March 2017

Embion is a chemical process technology EPFL spin-off, commercializing a novel catalytic process that allows the use of sustainable resources in the form of 2nd generation lignocellulosic biomass for producing food ingredients, chemicals and fuels. Our process helps reducing the carbon footprint of these products by reducing the amount of industrial waste being disposed in land or released in the atmosphere by up to 80%. Our technology helps diversify from the use of fossil fuels to more environmentally friendly processes for producing our fuels and chemical commodities as well as meeting future demand in highly nutritious products for feeding the world.

In this position, you will join Embion’s process development team and contribute in optimizing our industrial prototype catalytic process for different residual feedstock such as wood and various other agro-industrial byproducts.

You will also draw on multiple experiences by having the chance to work as an equal member of a small, dynamic start-up team. That does however include from your part dedication, commitment, resilience, and the ability to handle problems with a certain degree of independence, while showing a proactive and collaborative spirit.

Functions:

• Primary responsibilities include designing, producing, testing and characterizing Embion’s prototype process by being involved in the understanding and development of the technology process.

• Secondary responsibilities include data analysis, instrument maintenance and general laboratory organization.

Qualifications, experience and competencies:

• Bachelor’s or in process of achieving a Master’s degree in Chemistry or Chemical Engineering. Knowledge in polymer chemistry is an asset.
• Hands on in chemistry laboratory work.

• Interest towards sustainable processes and processes for biomass transformation.

• Structured analytical thinking. Independent, proactive, goal-oriented, creative and persistent: You thrive in challenging situations.

• Ability to learn fast, write technical and scientific documentation and reports.

• Communicating effectively, excellent interpersonal skills.

• Very good communication skills in oral and written English is required for this position.

**Working conditions and contact:**

Start date: May 2017

Duration: 3 or 6 months

Occupation: 50% or 100%

If you think you got what it takes sent us your application containing a CV, a motivation letter and a copy of your diplomas to: jobs@embiontech.com with reference to “Chemistry & Chemical Engineering Internship”.