Digitalization and Automation in Chemistry

Predicting structure, reactivity & properties in modern drug discovery

In recent years, computer assisted techniques have been integrated into chemical processes and are especially beneficial in drug discovery and toxicology. Using molecular modelling software for simulation of ligand molecules in receptors is already well established in industry, but digitalisation offers far more: structural databases, computer-assisted retrosynthesis, artificial intelligence in drug development, fully automated synthesis and other applications will change the way we work in the future.

Contents
During the 5 day seminar every day will focus on one of the following topics; molecular modelling, databases, drug discovery and robotics / lab automatization. Besides the profound theory part given by presentations, case studies and workshops of invited specialists, company visits will give a hint on applied digitalization.

Target Group
The seminar is aimed at employees of the chemical and life sciences industry and students at BSc, MSc and PhD Level with a background in (Life) Science.

Duration
5 days (single days bookable)

Lecture language
English

Location
FHNW Campus Muttenz, Switzerland

Programme Head
Dr. Sina Saxer
+41 61 228 57 01 (direct)
sina.saxer@fhnw.ch

Coordination
T +41 61 228 55 40
weiterbildung.lifesciences@fhnw.ch

Further Information and Registration
www.fhnw.ch/digitalisation-in-chemistry