



Master thesis, AstraZeneca, Mölndal

AstraZeneca is looking for a student who wants to do their Master's thesis in the Separation Science Laboratory (SSL) in Mölndal (Gothenburg). During the spring of 2023 you will be evaluating the signal linearity of Charged Aerosol Detection (CAD) & Evaporative Light Scattering Detection (ELSD) in Supercritical fluid chromatography (SFC), to find the correlation between signal strength and structural elements of the solutes – and ultimately to compare these relationships across the two detectors. This will be followed by the development of standard models for the signal linearity depending on the solute type/functionalities.

We are looking for a science/engineering master student who is interested in analytical and physical chemistry, as well as statistics and modelling.

Useful skills include:

- Experience in working with chromatographic and/or spectroscopic methods
- Experience in using multivariate data analysis and design of experiments software (e.g SIMCA, MODDE)
- Experience in using statistical softwares (e.g Excel-stat).

Experience is no requirement.

If interested, summarize relevant information about yourself (CV and cover letter) in Swedish or English and e-mail your application to thesis supervisor:

victor.spelling@astrazeneca.com