

Description Master Thesis:

Title: Establishment and validation of new LC-MS methods in the field of toxicology

In the clinical toxicology laboratory of the University Hospital Basel several hundred patient samples are analyzed each week for drugs and substances of abuse. To keep up to date with new clinical practices and technology, new methods have to be developed and established regularly.

The student will work with modern HPLC-MS/MS equipment and learn to work in an ISO accredited environment.

The master students job will be to establish methods, validate them following the FDA guidelines and to conduct laboratory measurements for clinical studies. Structured working methods, pleasure working with high-level equipment and high levels of autonomy are necessary.

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