

Mass spectrometry-based metabolomics may uncover novel pathogenic mechanisms of metabolic diseases and cancers. Innovative cutting-edge technology will permit to perform metabolomics on tissue samples. Such an approach adds a topological dimension, which has the potential to revolutionize conventional histopathological assessment. Complementary to the clinical metabolomics facility of the Center of Laboratory Medicine of the University Hospital of Bern, a technology-driven metabolomics platform is to be located in the Swiss Institute for Translational and Entrepreneurial Medicine (sitem-insel). There, in collaboration with Waters, metabolomics on tissue samples will be developed for clinical applications. We are looking for

## 1 doctoral student (3 years)

### Requirements

- A Master in science or biomedical sciences or equivalent
- Interest in metabolomics and in mass spec technologies
- Good communication skills
- Good English language skills

### We offer

- Salary according to the Swiss National Foundation scale
- Embedding in metabolomics team

### Contact

Start: as soon as possible

More information:

<http://www.ukc.insel.ch/de/dienstleistungen/clinical-metabolomics-facility/> and well established research groups on metabolic liver disease

[http://www.swissliver.ch/de/Forschung/Forschungsgruppe\\_Dufour](http://www.swissliver.ch/de/Forschung/Forschungsgruppe_Dufour) and cancer

[Institute of Pathology: Research Group Perren Marioni Schmitt Dettmer](#)

Application:

Please send your application by email to Prof. Jean-François Dufour, [jean-francois.dufour@dbmr.unibe.ch](mailto:jean-francois.dufour@dbmr.unibe.ch) (letter of application, CV and references in a single pdf file)

University of Bern, DBMR Hepatology, Murtenstrasse 35, 3008 Bern, [www.unibe.ch](http://www.unibe.ch)

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