

MASS SPECTROMETRY & METABOLOMICS POSITION

LAB OF CELLULAR METABOLISM AND METABOLIC REGULATION @FENDTLAB

VIB is an entrepreneurial and vibrant non-profit research institute in Flanders-Belgium with a clear focus on groundbreaking research in life sciences. About 1500 scientists and technologists from over 60 countries are based at the five Flemish Universities of Ghent, Leuven, Antwerp, Brussels and Hasselt, and are studying the broad spectrum of molecular mechanisms that regulate the functions of the human body, plants and microorganisms.

The **VIB-KU Leuven Center for Cancer Biology (CCB)**, located on the Campus Gasthuisberg of the University of Leuven, contributes to the better understanding of the biology that underlies cancer initiation, progression and metastatic dissemination with the ultimate goal to develop more effective and specific anti-cancer (combination) therapies. CCB is currently composed of more than 200 scientists in 12 independent research groups and units. Our scientific interest lies in various hallmarks of tumors and their microenvironment, including inflammation, metabolism, and genetic and epigenetic regulating circuits. CCB fosters an interdisciplinary environment and a close collaboration with the Comprehensive Cancer Center LKI and the University Hospital, both located on the same campus, to promote translational research.

The **Laboratory for Cellular Metabolism and Metabolic Regulation - Fendt Lab** is a **young, international and dynamic team** of researchers performing cutting-edge cancer metabolism research with special focus on **cancer metastasis and novel metabolic pathways**. We exploit *in vivo* mouse models, metabolomics and ^{13}C tracer analysis to gain groundbreaking insights into metabolism as a driving force of cancer progression. Our work is published in high profile journals such as *Nature*, *Nature Communications*, *Cell Reports*, and *Nature Immunology*. **We have a strong international recognition** and top collaboration partners all over the world.

Responsibilities:

- Be responsible for instrumental chromatographic analyses (LC-MS and GC-MS)
- Perform routine GC-MS and LC-MS according to a defined method and interpret/explain mass spectrometry data.
- Develop LC-MS analytical methods
- Identify all technical problems or malfunctions, ensure the analysis, interpretation of results and be proactive in developing solutions
- Participate in laboratory management tasks (cleaning, drafting procedures, preparing laboratory reagents, etc.)
- Take responsibility for collaborative projects
- Work independently and be organized with the ability to juggle priorities

Qualifications:

- Master or bachelor level in biology/chemistry
- Good theoretical and practical knowledge of analysis by LC-MS and GC-MS
- Experience using bioinformatics tools and programming (Matlab, R,...) will be an asset
- Good interpersonal skills and ability to adapt to various environments
- Very good level of written and spoken English
- Excellent communication and team skills to work within an international team of young and dynamic researchers

Application:

- Please apply to linde.mannekens@kuleuven.be: motivation letter, CV and contact details of max. 3 referees.
- For more information, check our website ([Fendt Lab - Home \(vib.be\)](http://FendtLab-Home.vib.be)) or follow us on Twitter ([@FendtLab](https://twitter.com/FendtLab))
- Starting date: June 2022

Leuven only 20 minutes away from Brussels by train - is a vivid university city with a rich history, a well-preserved historical town center and a lively multi-cultural atmosphere. The city is surrounded by charming small villages, woods and nature. Leuven has a lively atmosphere because of the many students from all over the world.

Leuven is home to KU Leuven, the largest and oldest university of the Low Countries and the one of the oldest universities in Europe. The related university hospital UZ Leuven is one of the largest hospitals in Europe.

Leuven and the surroundings are a great place for young people and families to live and to raise children. There are many excellent day care centers and schools including an international school.

