

**Biochemical Genetics Laboratory
Human Genetics Department
University Hospital of Liège – University of Liège**

Position open
Post-doctoral scientist

Implementation of High-Resolution Mass Spectrometry
in the workup of Inborn Errors of Metabolism

The Biochemical Genetics Department of CHU Liège launch a High-Resolution Mass Spectrometry (HR-MS) project for the diagnosis of rare inherited metabolic diseases. We aim to develop a single HR-MS platform that can be applied for holistic metabolic profiling in plasma and urine of patients suspected of inborn errors of metabolism.

Contract:

Hospital permanent contract.

Duties:

- To manage the development and validation of a HR-MS platform for the Biochemical Genetics Laboratory, with respect of clinical quality standards.
- To set up bioinformatic protocols to unveil new signatures.
- To be trained to the clinical routine of the laboratory in order to ensure a proper integration of the work into the medical context of the lab.
- To organize and/or participate to metabolomics boards.
- To collaborate with a multidisciplinary team (including clinical chemists, lab technicians...), and to interact with all the partners of the hospital (including pediatricians, geneticists...).
- To review and publish lab SOP's.
- To ensure compliance to quality standards set by regulations, procedures and mission.
- To support science communication efforts, including conferences and writing articles.

Qualifications and abilities:

- Post-doctoral scientist with experience in HR-MS in the field of metabolomics / lipidomics.
- Good knowledge of bio-informatic tools for multivariate analysis.
- Ability to organize and prioritize work duties and to function as a team-member; an experience in project management would be an asset. Ability to encourage positive dynamics within the team.
- Good written and oral communication skills.
- Language skills: knowledge of French and English is mandatory.

Applications

Applications should be sent before October 30st 2020 to

- Dr François BOEMER : f.boemer@chuliege.be
- Prof Vincent BOURS : vbours@uliege.be