

**HR-MS Project  
The Next-Generation Metabolic Screening**

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

**Position open:**

Post-doctoral scientist

Implementation of High Resolution Mass Spectrometry in Human Genetics

The Human Genetics department of CHU Liège launches a metabolomics project aiming to implement High Resolution Mass Spectrometry (HR-MS) technologies to serve patients.

HR-MS is today to metabolomic analysis what next-generation sequencing (NGS) is to genomics. HR-MS opens new horizons to laboratories involved in diagnostic of inherited metabolic disorders. Holistic approaches appear nowadays as a cornerstone in the integrative comprehension of human primary metabolism, what can be of crucial importance for patients remaining undiagnosed using conventional analytical techniques.

**Contract:**

Hospital contract : one year contract with possible extension.

**Duties:**

- To integrate the staff of Biochemical Genetics Laboratory and take part to the clinical activities of the lab.
- To develop and validate a metabolomics platform for the diagnostics and the follow-up of patients suspected of inherited metabolic disease, with respect to clinical quality standards.
- To set up bioinformatic protocols.
- To integrate metabolomics data with genomic results, when appropriate.
- To collaborate with clinicians for data interpretation.
- 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 papers.

**Qualifications and abilities:**

- Post-doctoral scientist with experience in High Resolution Mass Spectrometry
- Ability to work with a multidisciplinary team and to interact with all the partners from the hospital and the GIGA-Research unit.
- Ability to organize and prioritize work duties and to function as a team-member; an experience in project management would be a plus. 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 31st 2020 to

Dr François BOEMER : f.boemer@chuliege.be

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