Bordeaux, 17th December 2014

MetaboHUB
Infrastructure Nationale
en Métabolomique

MetaboHUB JOB ANNOUNCEMENT

Job Title: Development of quantitative methods for LC-MS targeted metabolomics

Position Reference: BDX-IR-1-WP1c

Grade: Research engineer

Starting from: 1st march 2015

Applicants need to have work permit for work in France.

Duration: 21-month contract, full-time position

Place of work: Working place will be located in the INRA Bordeaux Center (F-33140 Villenave d'Ornon, France) within Bordeaux Metabolome Facility (BMF, http://www.cgfb.u-bordeaux2.fr/en/metabolome).

MetaboHUB background:

The French MetaboHUB project aims at creating a national infrastructure of metabolomics that will place France among the European leaders for advanced research services in metabolomics and fluxomics. This infrastructure will provide tools and services to academic research teams and industrial partners in the fields of nutrition and health, agriculture, environment and biotechnologies.
MetaboHUB will address major life science trends and challenges listed in the National Strategy for Research and Innovation priorities. MetaboHUB outputs will provide full service.
For more information see the web site: www.metabohub.fr/en/

Main purpose of the job/ Specific tasks of the position:

In the framework of the work package entitled “Tools for normalization and for quantitative MS-based metabolomics", the research engineer will develop and adapt quantitative LC-MS methods for absolute quantification in plant extracts.

She/He will work with staff of Bordeaux Metabolome Facility and of the other sites of MetaboHUB. She/He will have access to all the mass spectrometers of BMF, including an UHPLC-Orbitrap/LTQ, and will participate to the installation of a new one.
She/He will start focusing on two metabolite classes, namely amino-acids and phosphorylated intermediates of carbon central metabolism.
The work will be carried out according to the ISO9001:2008 procedures of BMF.

Key responsibilities:

Adaptation and validation of extraction SOPs

Method development

Method validation (linearity, LOD, LOQ, etc.)

Application of the developed methods to on-going metabolomics and fluxomics projects of BMF

Work sharing and reporting on regular basis

Interactions with other MS specialists within MetaboHUB

Daily maintenance of instruments

Qualifications and minimum working experiences:

Academic: PhD in analytical chemistry

Experience from 2 to 5 years in LC-MS method development using ^{13}C labelled internal standards

Experience in triple-quadrupole mass spectrometry

Team-oriented, organized, enthusiastic, conscientious

Interest in plant science or metabolism.

Lab language is either English or French. Candidates must be aware that administrative and everyday languages are French.

Salary range:

Minimum starting gross salary: 2310 Euros/month.

People to contact for further information from 6th January to 15th January 2015:

Dr Annick Moing

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Dr Stéphane Bernillon

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Person to contact for information concerning the application process:

Marie-Lou Lombard

METABOHUB

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Please send your application including:

1. An application letter stating your motivation, qualification, main scientific experiences, and a brief outline of your current and future scientific interests (max. one page)
2. A full CV (max. two pages), including a clear presentation of your past and current employment positions specifying start and end dates, employer and location preferentially in a tabular form
3. Copies of relevant diplomas or university certificates
4. Short statement from a former supervisor/tutor
5. Contact information for at least two relevant references

Deadline for application: 15th January 2015

Selected applicants will be contacted after this date for an interview at the end of January 2015

Profile prepared by Stéphane Bernillon, Catherine Deborde and Annick Moing