



ANR-11-INBS-0010



BORDEAUX
METABOLOME

Plant metabolomics assistant engineer

About MetaboHUB

MetaboHUB (MTH) is the national French metabolomics and fluxomics infrastructure. Launched in 2013, MTH is a leading international infrastructure serving more than 700 scientists worldwide. MetaboHUB gathers **5 regional facilities** including more than **80 permanent staffs**, **15 NMRs**, **43 MS systems**, **robotic and computational platforms**. MTH aims at pushing forward the field to develop metabolomics and fluxomics from single cell to population. **Your contribution will serve a broad range of researchers** in the fields of biotechnologies, human health and nutrition and plant science. **Joining MTH, you will be involved in cutting edge research within a highly skilled and motivated consortium.**

About MTH-Bordeaux

Bordeaux Metabolome (29 permanent staffs) is a **biochemical facility** recognised as a national and international leader in **plant metabolism studies** (metabolome, lipidome, metabolic fluxes and enzyme activities).

Bordeaux Metabolome main activities include:

- (HR)MS and NMR metabolomics (from extractions to chemometrics)
- high-throughput metabolic phenotyping of metabolites and enzyme activities
- targeted analyses of specialised metabolites, most particularly phenolics.
- lipidomics.

The mission

In the framework of WP1 of MTH2.0 (Scaling up: towards large cohort studies), the overarching goal is to **develop new protocols and implement existing methods** used to profile **specific plant compounds**, primarily via MS techniques. The technician assistant will specifically focus on i) **adapting targeted methods** available within the MTH consortium for the **characterisation of plant metabolic intermediates, hormones and polar primary metabolites**, ii) **developing and implementing profiling methods** for the analysis of **central metabolites**, including primary compounds and cell wall components. She/he/they will interact with the different MTH hubs and ongoing developments in other WPs, particularly MS imaging.

Key Responsibilities

The person recruited will be responsible for:

- The implementation of **LCMS/MS** analyses for targeted metabolomics
- The development of specific protocols for **GCMS** analyses
- She/he/they will participate in implementing **MS imaging** at MTH-Bordeaux.



Profile

L2-L3 candidates with experience in biochemistry and hands-on experience in MS. Knowledge of plant metabolism and analytical chemistry would be a real advantage.



Skills

French mandatory, English appreciated
Good communication and writing skills
Autonomy, organisation
Motivation to work within a multidisciplinary environment (biologists, (bio)chemists)



Informations

Assistant Engineer
Full-time fixed-termed contract (12 months)
Starting from January 1st 2024
Salary range (gross): 1969 - 2323 €/month*
Place of work: Villenave d'Ornon, SW France
UMR 1332 BFP, [META](#) team
* Salary range depends on the applicant's experience, and includes holiday allowance and social insurance.

How to apply ?

<https://jobs.inrae.fr/en/ot-19330>

The application should contain the following attachments:

- A motivation letter
- A full CV (max. two pages) including contact details of two references
- Copies of relevant diplomas or university certificates

Contacts

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 [@BdxMetabolome](#)
[@bdxPlantMetabo](#)

More information

www.metabohub.fr

<https://metabolome.cgfb.u-bordeaux.fr/en>

Bordeaux Metabolome embraces diversity and equality and is committed to building a team with a variety of backgrounds, skills, approaches and views.

Position Reference: Bdx-P1-E