

Engineer Data scientist - Bioanalyst

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 6 **regional nodes** including more than **150 permanent staffs (79 FTP), 16 NMRs, 71 MS, robotic and computational platforms.** MTH aims at pushing forward the field to develop metabolomics, lipidomics and fluxomics from single cell to population. **Your contribution will serve a broad range of researchers** in the fields of biotechnologies, Human health, nutrition and plant science. **Joining MTH, you will be involved in cutting edge research within a highly skilled and motivated consortium.**

About MTH-Metatoul

MetaToul, launched in 2007, is a multi-institutional platform uniting INRAE, CNRS, INSERM, INSA, the University of Toulouse, and Toulouse Hospitals. CNOC- and IBISA-labeled, and recognized by INRAE as a national strategic platform, MetaToul brings together about 50 staff members with expertise in biochemistry, chemistry, bioinformatics, biostatistics, automation, mass spectrometry, NMR, and chromatography. These complementary skills support the study of metabolism through metabolomics, lipidomics, and fluxomics workflows.

The mission

Multiscale metabolomics aims to apply metabolomics at various levels of biological complexity — from cells and tissues to whole organisms and even ecosystems — to address key biological questions. The ambition of MetaboHUB is to develop such an approach by harnessing the full analytical potential of the consortium, which encompasses a wide range of targeted and untargeted metabolomics methods based on MS and NMR technologies. These ambitious projects involve collecting complex and heterogeneous data from diverse matrices, laboratories, and instruments. In this context, your mission will be **to develop a comprehensive strategy for the management and interpretation of multiscale metabolomics data**, in accordance with the FAIR principles. You will also provide guidelines and protocols to support the implementation of multiscale metabolomics projects across various application domains. Finally, the position includes training and supporting users in applying the developed strategy

Key Responsibilities

The person recruited will be responsible for

- (i) The **management** (collection, storage, quality control, governance, and analysis) of the metabolomics datasets collected in multiscale projects
- (ii) The **integration of the metabolomics data** in the context of a project in the field of Human health
- (ii) The establishment of **guidelines for data management** in the context of multiscale metabolomics projects applied to various application domains,



Profile

- Engineer, MSc or PhD
- Skills in data management and integration, especially in the framework of analytical data
- Attraction for data management



Skills

Skills in French language are not a formal requirement for the position." English mandatory or compulsory



Informations

CDD -Research engineer
12 months contract, potentially renewable
Salary according to experience.
Place of work: Toulouse, France
Starting from: 2026 January 1st

How to apply ?

The application should contain the following attachments:

- a motivation letter reasoning your interest for a specific research project described on our webpage (max. one page)
- a full CV (max. two pages) including contact details of two references,
- Copies of relevant diplomas or university certificates
- Short statement from a former supervisor/tutor
- Contact information for at least two relevant references

Contacts

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More information

www.metabohub.fr