

Research Engineer at the PFEM facility. Clermont-Ferrand, France.

PlatForm for the Exploration of Metabolism (PFEM) is a scientific and technological facility accompanying ca. 50 projects annually. This is an INRA – University Clermont Auvergne (UCA) platform, ISO9001 and IBiSA certified, and a core member of MetaboHUB (MTH) French national infrastructure. PFEM-UCA is located into Institut de Chimie de Clermont-Ferrand (ICCF) buildings. For further information, please visit dedicated websites ([MTH](#), [PFEM](#), and [ICCF](#)).

The sought engineer will manage biostatistics (metabolic data treatment) and bioinformatics (metabolic networks) analyses at PFEM-UCA facility. He/She will use and develop skills and expertise at the UCA site, interacting locally with statisticians and bioinformatics specialists from collaborating labs, PFEM (INRA) and, nationally, with other MTH partners. He/She will develop networks approaches based on metabolic information and integrate « multi-omic » data.

Major activities:

- Develop or adapt SOP and DOE for data collection and processing, related to scientific project.
- Develop and implement databases and other systems to collect, structure, store and integrate data.
- Analyze data from biological and/or environmental studies using statistical tools.
- Develop / enrich metabolic / proteomic network models.
- Spread and valorize results and technological products through reports, patent, publications and other communications.
- Manage resources (men.months, devices, grants) allocated to projects for data collection and treatment.
- Participate to training session in relation to his/her skills.
- Benchmark (scientific and technical) through his/her area of expertise.
- Participate to or organize professional networks.

Major skills:

- Life science background (biology, ecology).
- Bioinformatics (databases, metabolic networks).
- Statistical tools (uni and multivariate, multi-block, hierarchical cluster).

Minor skills:

- Biochemistry and physiology.
- Analytical chemistry.

For further information about:

- Job description, send Email at concours.drh@uca.fr
- Terms of application, please visit [UCA](#) or [ITRF website](#) (in French).