The Institut Pasteur is a private, non-profit foundation. Its mission is to help prevent and treat diseases, mainly those of infectious origin, through research, teaching, and public health initiatives.

As part of the creation of a new technological core facility: (https://research.pasteur.fr/en/team/metabolomics-core-facility/) for developing non-targeted/targeted metabolomic/lipidomic approaches, the Institut Pasteur is looking for a bioinformatician / chemometrician / data scientist (research engineer) for (i) the analysis of metabolomics and lipidomics data, (ii) the development of tools for compounds annotation and (iii) the interpretation of metabolomics/lipidomics results.

Tasks and responsabilities:

- Buildi a workflow to automate the analysis of data generated by LC-MS
- Create an interface to help visualizing the LC-MS data
- Build chemical compound database
- Develop tools to annotate chemical compounds (from LC-MS data, molecular networks…)
- Develop tools to help in the biological interpretation of the experimental results (*e.g*. metabolic networks)
- Ensure reproducibility and sustainability of the developed tools
- Stay current with scientific literature and evaluate the published toolsDeliver training courses in bioinformatics / data science applied to metabolomics
- Write scientific articles and participate in conferences to enhance the developed methods and tools
- Join scientific networks dedicated to metabolomics

Candidate's profile:

- PhD or master/engineer degree in chemoinformatics, bioinformatics or data science
- Solid knowledge of R and/or Python programing languages, use of bash, and knowledge of other languages like C/C++
- Knowledge in the use or development of networks (e.g. metabolic or molecular) would be appreciated
- Previous experience in the analysis of LC-MS data would be a plus
- Good writing/speaking communication skills in English (B2/C1)
- Scientific curiosity and interest in biology and chemistry
- Rigor, pedagogy
- Flexibility and ability to work in a multidisciplinary environment and on multiple scientific projects