

Data Scientist / Bioinformatician (M/F)

Micropep Technologies, Toulouse, France

Micropep Technologies is a young innovative plant biotechnology startup based in Toulouse, France. The company is developing a new generation of innovative plant stimulation and plant protection solutions for a more sustainable agriculture. Our products are based on a disruptive technology that uses natural peptides (miPEPs) that can transiently regulate the expression of plant's microRNAs and their targeted genes*.

We are located in the cluster Toulouse White Biotechnology (TWB) where we are setting up our own plant phenotyping capabilities and have access to TWB's technological platforms.

We are looking for a data scientist / bioinformatician with a strong entrepreneurial spirit to join our R&D team and be responsible for the development of bioinformatic tools and be in charge of the company data management.

ESSENTIAL DUTIES & RESPONSIBILITIES:

In close interaction with the different R&D project leaders, you will be responsible for the creation and organization of the company experimental database as well as for the development of bioinformatic tools.

In this context you will in particular be responsible for:

- the creation of a database of miPEPs in various crops
- the preparation, collection and management of our experimental data
- the support to their statistical analysis and interpretation
- the development of bioinformatic tools to analyze genomic and transcriptomic data coming from either public resources or from sequencing projects that you will conduct and supervise
- the management and monitoring of your projects, both internally and with public and private partners: construction and monitoring of budgets, progress reports, etc.

QUALIFICATIONS:

You hold a PhD in plant genetics with a specialization in bioinformatics, with at least 10 years successful experience mostly in a private company. You know how to obtain and analyze genomic and transcriptomic data in plants (NGS tools for assembly and annotation). You have experience with the use of Linux/Unix and High Performance Computing clusters (PBS, LSF, SGE or Slurm). You are familiar with common genomic databases (Ensembl, NCBI, miRBase...). You master the programming languages necessary to the development of bioinformatic and biostatistical tools and pipelines (ex: R, Perl, VBA, Python, bash, etc.) and you know how to create, organize, manage and analyze experimental database (SQL, NoSQL).

Your past experiences have allowed you to develop skills in project management. You are rigorous, curious and autonomous and have good presentation skills in both French and English. You want to join a fastly growing, young and dynamic company that will enhance your initiatives and your proactivity, and your adaptability and your team spirit will allow you to succeed in your missions.

CONDITIONS :

- Compensation : based on experience
- Permanent Contract
- Location: Toulouse (Ramonville)

To know more about Micropep, check our website: micro-pep.com

Applications (CV, motivation letters and references) should be sent at: careers@micro-pep.com with the reference 2018-04/BI