

## **Computational Biology and Bioinformatics Position at Centre for Plant Biotechnology and Genomics in Madrid, Spain**

We are looking to recruit a **new postdoctoral first stage researcher (R1) or recognised researcher (R2)**. We are recruiting for a Bioinformatician with an understanding of biological data related to plant genomics and with experience in statistics to take a lead in a project that involve the analysis of RNA-seq data, genome assembly, functional annotation, association studies, enrichment tests and metagenomic surveys. The initial appointment will be for one year and a half, and extension up to 3 years depending on performance and availability of funding.

Application deadline is **May 8th, 2020**.

Interested candidates should send their **CV to [humanresources.cbgp@upm.es](mailto:humanresources.cbgp@upm.es)**

### **Responsibilities to include:**

- Develop bioinformatics tools and pipelines for use by other scientists in R&D.
- Analyze parallel sequencing (NGS) genomic data.
- Apply statistical data analysis to support assay development experiments and guide experimental approaches.
- Mentors other scientists in the group through technical assistance, goal suggestion, and growth opportunity suggestion.
- Must have strong communication skills and ability to collaborate effectively with biologists, bioinformatics scientists and software developers.
- Able to work independently on complex projects, anticipate and overcome challenges.

### **Qualifications & Experience**

- PhD in Computational Biology, Bioinformatics, Computer science or similar discipline.

### **Required Technical Skills**

- Experience in genomic data analysis and coding skills (Python scripting, R analysis, Data visualization, Linux terminal)
- Experience with Linux and Windows environments
- Statistics and R programming
- An understanding of standard bioinformatics tools (protein databases, alignments...)
- Experience with HPC systems and big data analysis
- Knowledge in Evolutionary Biology and Molecular Phylogeny
- Fluent in English

### **Desirable skills and Competencies**

- Ability to work on big projects as part of a team
- Demonstrated effective time management, planning and organisational skills with the ability to successfully handle multiple tasks, projects and priorities in a fast-paced environment.
- Ability to manage multiple projects and overlapping deadlines
- A structured thinker with a natural ability to problem-solve

- Ability to collaborate with experimental biologists, computer scientists and non-scientists
- Experience in backend web development (Django, Javascript)
- Knowledge in Evolutionary Biology, Plant Biology, Microbiology or related topics