

Head of Data & Bioinformatics

Location: Suresnes/Paris, France

Contract type: full time

Actual company size : 9

Starting : ASAP

Salary : TBD based on profile

Contact: adele@phagos.org



Phagos is on a mission to create a cleaner, more sustainable future by channeling bacteria's natural predator, the bacteriophage, to win the fight against antibiotic resistance.

To make our vision a reality, we are looking for an excellent engineer in bioinformatics excited to join our dream team and bring Phagos to the next stage : our ambition is to become the first phage company to produce customised and evolutive solutions.

You will hold an important position within Phagos' R&D team and play a major role in the company's fate and success. You will lead, develop and execute innovative projects related to bacteria and bacteriophage genomic coevolution analyses and infectious disease statistical modeling and prediction. You will participate in broadening Phagos' applications and research expertise.

If you are looking to get in at the start of something novel and world changing, we would love to chat !

Responsibilities :

- Structure the data & bioinformatics department with the talents and tools needed to fulfill Phagos' vision of phage therapy
- Develop state of the art prediction tools related to infectious disease onset and phage cocktail prediction
- Structure data collection (genomics, environmental, in vitro characterization)
- Maintain constant communication between dry and wet lab teams to exacerbate the power of data generated on both sides
- Support the creation and development of user-friendly data & bioinformatics pipelines for "everyday" use
- Communicate findings and results internally to the team
- Train and mentor students, interns, and new team members on bioinformatics basics

Requirements :

- Ph.D. in data science, mathematics, computational biology or related fields
- Advanced knowledge and technical skills in ML/deep learning
- Ability and willingness to work within a fast-paced, adaptive, collaborative environment
- Demonstrated strong programming skills
- Experience with genomics data is a plus
- Self-starter and problem solver
- Eagerness to play a major role in a new and fast-growing start-up company
- Intellectual curiosity and appetite for innovation
- Ability to tackle multiple tasks simultaneously