

Job title: Bioinformaticians – mathematical and statistical modelling in autoimmune diseases.

Type d'offre : *Offre d'emploi*

Contrat : *CDD – 6 mois renouvelable*

Niveau de salaire : *à déterminer*

Employeur : *APHP*

Lieu de travail : *Hôpital Pitié-Salpêtrière, CIC-BTi, Paris -France*

Spécialité : *Biologie, médecine, santé -*

Physiologie et biologie des organismes - *Biologie, médecine, santé*

Métier : *Recherche et développement*

Début de parution :

Job description:

We are seeking for bioinformaticians (MSc or PhD) with strong experience in high throughput data management and modelling to apply and/develop statistical and mathematical analysis methods for the study of autoimmune diseases (AID).

The lab holds a “Recherche Hospitalo-Universitaire” grant, called *iMAP*, which aims at deciphering our understanding of regulatory T cell (Treg), key players of immune homeostasis maintenance and autoimmune disorder control. Using state-of-the art technologies, *iMAP* will produce a unique and massive collection of clinical and biological data in several AIDs. The deep-phenotyping comprises immunomonitoring, transcriptome, TCR repertoire and microbiome studies. The bioinformatician will be in charge of managing and analysing the data using available tools developed in the laboratory as well as developing innovative mathematical/statistical approaches with the aim of identifying potential biomarkers which will ultimately sustain the rational development of innovative biotherapies. Single scale approaches as well as integrative analysis are needed.

The laboratory is offering an interdisciplinary environment, including biologists, immunologists, clinicians, computer scientist and bioinformaticians. Data management tools and informatics infrastructure to help and support bioinformatician in their tasks is implemented.

Candidate profile:

An MSc or PhD is required in bioinformatics, biostatistics, statistics, mathematics or a potentially related field with relevant expertise for the project. Strong experience with R tools and coding languages (Python, C++), as well as high throughput data analysis, management and integration, are required.

Application:

Application (motivation letter, CV and references) must be sent in English by email only at caroline.aheng@upmc.fr. Please apply only if you fulfil the mandatory skills. This job offer will be closed as soon as the position is filled.