

Data scientist / Biostatistician

Molecular Immuno-Rheumatology – INSERM UMR_S 1109 - Strasbourg

MISSIONS

The staff scientist will be in charge of biostatistical analyses and the implementation of high-throughput sequencing data analysis tools. He/She should be able to meet the different biostatistical needs of the team. He/She should know how to use and implement innovative methods necessary for the analysis of "omics" data and in particular single cell RNA-sequencing. He/She will be confronted with a wide variety of sequencing techniques, new biostatistics/bioinformatics approaches and significant computer resources.

ACTIVITIES

Main activities:

- Biostatistical analyses of complex genomic data
- Development of new analysis models and algorithms
- Development and improvement of dedicated software tools and information systems
- Definition and choice, in accordance with the team, of the most appropriate analytic strategies to be implemented

Associated activities:

- Presentation of results in meetings and dissemination of knowledge internally
- Know how to advise and provide analysis solutions to answer biological/medical questions

REQUESTED SKILLS

Know-how about the professional environment:

- Good knowledge of high-throughput sequencing technologies
- Good knowledge of a distributed system under Linux
- Know how to work in interaction with several teams of researchers

Operational know-how:

- Programming languages: JAVA, PYTHON, PERL, R, Bioconductor, SQL, HTML, PHP
- Database management system (PostgreSQL, MySQL, Oracle,...)
- Analysis of single cell transcriptomics data
- In-depth statistical methods and analyses
- Ground knowledge in biology and genetics, particularly in next-generation sequencing
- Good command of written and spoken English

Soft skills:

- Good organizational skills
- Sense of priorities
- Autonomy
- Teamwork

JOB DESCRIPTION

- Full-time position in Strasbourg; to be filled immediately
- Job start on a 12-month fixed-term contract, with renewals and possible evolutions afterwards
- Send a CV, a cover letter and 2 letters of recommendation only by email to recrutement-genomax@unistra.fr