

PROCESO DE SELECCIÓN

Ref. 20 - 01

Job Title: Bioinformatician Postdoctoral Researcher

Job description:

We are seeking a highly motivated Statistician or Bioinformatician to join the Translational Bioinformatics Unit in Navarrabiomed.

The selected candidate will participate in the implementation and customization of translational bioinformatics tools in acute decompensation of cirrhosis in the project DECISION; especially in:

- Integration of existing clinical data with existing and new multi-omics data from 3 cohorts and existing standardized samples from 2,200 patients with more than 8,600 time points
- Development of new combinatorial therapies and tests for prediction of outcome and response to new combinatorial therapy for the large number of patients with decompensation of cirrhosis

The candidate will be involved with world-leading hepatologists, translational scientists, technology leaders and clinical experts, patient organizations and the European Association for the study of the Liver. Furthermore, the candidate will help with the supervision of junior bioinformaticians associated with the project.

The final aim is to contribute to the development of Precision Medicine by focusing on the use of multiple-omics as a decision-making support tool to Personalized Medicine.

Main activities and responsibilities:

- 1- Multi-omic Power analysis.
- 2- Multi-omic analysis of acute decompensation of cirrhosis.
- 3- Systems Medicine analysis of acute decompensation of cirrhosis.
- 4- Identification of optimal combinatorial therapies.
- 5- Supervision of junior bioinformaticians.

Daily tasks:

- 1- To work on the analysis of data produced in the DECISION project.
- 2- Implement and customize when necessary existing software tools for multi-omic analysis.
- 3- Collaborate with the development of any bioinformatic necessary tools to accomplish DECISION goals.
- 4- Supervise and teach junior members of the unit.
- 5- Participate in the oral presentation of all project findings and abstracts including participation in periodic project status meetings and presentation of final project deliverables
- 6- Travel will be required occasionally for the purpose of the DECISION project (working meetings, dissemination and/or educational purposes).

Employment conditions:

- Full time contract
- **Duration:** 2 years approximately

Date of publication: 08/01/2021.

Deadline: 29/01/2021 a las 12.00h

[Online Inscription](#)

ANEXO 1: Bioinformatician Postdoctoral Researcher

Key and essential requirements:	
Educational Qualifications:	<ul style="list-style-type: none"> • MSc in relevant field: PhD Bioinformatics, PhD statistics, PhD Biotechnology, or similar.
Experience:	<ul style="list-style-type: none"> • Programming experience with languages such as R, Python, etc. • Knowledge of Unix operating system, terminal and bash. • Bioinformatic experience. • Multi-omic analysis. • Development and/or management of bioinformatics tools
Specific knowledge:	<ul style="list-style-type: none"> • Excellent oral and written communication skills • Team person. • Fluency in written and spoken English
Skills:	<ul style="list-style-type: none"> • Ability to establish good personal relationships • Ability to communicate and explain concepts • Ability to work as a team • Initiative, autonomy and ability to plan and organize work and time • Enthusiasm, analytical skills, flexibility. • Interest in learning new techniques • Learning and continuous improvement • Valuing the work of others • Responsibility and ability to make commitments.
Desirable knowledge	
<ul style="list-style-type: none"> • Experience with R, Python. • Experience in Open Source tool usage and development. • Experience using relational databases, SQL and / or structured data formats. • Database management and tools: e.g. SOLAR, Hadoop. • MSc Bioinformatics, MSc statistics or similar • Experience in data analysis of acute decompensation of cirrhosis. • Design, implementation and documentation of R packages. • Experience in NGS. • Supervision of junior researchers • Familiarity with programming techniques for analyzing data sets that do not fit in memory 	
Valuable social criteria	
<ul style="list-style-type: none"> • Certificate of Disability of at least 33% 	

How to apply:

1. A copy of your curriculum vitae
2. A statement indicating the reasons for applying for the job and how your training and experience is relevant
3. Applicants are requested to provide with proof of qualifications and experience gained.
4. At least one reference from previous employer will be provided should an applicant be selected for an interview

Applicants who do not meet the essential requirements will be rejected.