

PROCESO DE SELECCIÓN

Ref. 21 -06

Job Title: Postdoctoral researcher in Bioinformatics

Job description:

We are seeking a highly motivated Bioinformatician to join the Translational Bioinformatics Unit in Navarrabiomed. The selected candidate will participate in the Gobierno de Navarra funded project "AGATA: Alianza en Genómica Avanzada para el desarrollo de Terapias Personalizadas en Navarra" (Expediente 0011-1411-2020-000000; Alliance in Advanced Genomics for the development of Personalized Therapies in Navarra).

The work will be conducted at the Unit and will be supervised by David Gomez-Cabrero. The selected candidate will be involved in the bioinformatics analysis of several omics such as RNA-seq, single-cell RNA-seq and ATAC-seq, among others; such profiling will provide a most comprehensive multi-layered view (transcriptomic, genetic, epigenetic and chromatin conformation)

The work to be conducted will require the selected candidate to be involved in state-of-the-art bioinformatics pipelines but also in the development of novel technologies when necessary. Furthermore, the selected candidate will be involved in a multi-disciplinary team of biologists, clinicians and bioinformaticians in cutting-edge translational research.

Main functions:

- Implementation of state-of-the-art bioinformatics pipelines.
- Interpretation of results and reconstruction of GRN.
- Systems Medicine analysis.
- Collaboration with clinicians and biologists.

Daily tasks:

- To participate in the analysis of data produced in the project.
- Implement and customize when necessary existing tools for analysis.
- Collaborate with the development of any bioinformatic necessary tools to accomplish project goals.
- Participate in the oral presentation of all project findings and abstracts including participation in periodic project status meetings and presentation of final project deliverables
- Travel will be required occasionally for the purpose of the project (working meetings, dissemination and/or educational purposes)

Employment conditions:

- Full time contract
- **Starting date:** 1.5 years with options to be extended.

Date of publication: 09/02/2021

Dead line: 24/02/2021 at 12.00

[Online Inscription](#)

ANEXO 1: Postdoctoral researcher in Bioinformatics

PERSON SPECIFICATION: ESSENTIAL SKILLS AND ABILITIES	
Educational Qualifications:	<ul style="list-style-type: none"> • MSc in relevant field. • PhD Bioinformatics, PhD statistics or with biological programming experience.
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. • NGS.
Skills	<ul style="list-style-type: none"> • Excellent oral and written communication skills • Team person. • Fluency in written and spoken English.
DESIRABLE SKILLS AND ABILITIES	
	<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. • Single-cell analysis. • MSc Bioinformatics, MSc statistics or similar • Multi-omic analysis.. • Design, implementation and documentation of R packages. • Experience in NGS. • Supervision of junior researchers
Additional relevant skills	
	<ul style="list-style-type: none"> • Familiarity with programming techniques for analyzing data sets that do not fit in memory
General 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.
Other abilities:	<ul style="list-style-type: none"> • Learning and continuous improvement • Valuing the work of others • Responsibility and ability to make commitments

The submission of documentation that demonstrates and justify the acquisition of these merits may be request for the assessment of the candidate´s merits. References will be requested.

Candidates who do not meet the minimum requirements of the profile required for the position are kindly urged to abstain from applying.