

Position Offered: POSTDOCTORAL RESEARCHER

Project: Creation of the Bioinformatics and Data Science Unit at the IBFG

Technological and scientific fields: 1) Massive data and information processing technologies. 2) Computational Biology. 3) Data analysis and integration

Location: Salamanca. Castilla y León. Instituto de Biología Funcional y Genómica (IBFG).
<https://ibfg.usal-csic.es/index-en.php>

Research Group/PI: Cell Cycle and Genome Stability Group. Andrés Clemente Blanco.
<https://ibfg.usal-csic.es/andres-clemente-en.html>

PROJECT SUMMARY

The Project involves the creation of a Bioinformatics and Data Science Unit (UBCD) at the IBFG. Its main objective will be to advise and support the researchers at the center in aspects of data science, bioinformatics, and computational biology. Additionally, the UBCD will be responsible for providing training in digital skills to the IBFG staff and developing new methodologies for the integration of multi-omics data. This unit will provide comprehensive support to the Genomics, Microscopy and Genetic Screening facilities at the IBFG, facilitating cross-disciplinary research among the different research lines in the IBFG.

PROFESSIONAL PROFILE

Minimum requirements:

- Doctoral degree.
- Experience in computing, programming, statistics, sequencing techniques, and multi-omics data analysis.
- English speaking and writing.

Merits to be considered:

- Knowledge in computing: Unix-based OS, HPC, AWS.
- Experience in programming: Python, R, bash.
- Proficiency in multi-omics data analysis: WGS, WES, RNA-seq, ChIP-seq, Shotgun.
- Knowledge in bioinformatics: Mass data analysis of genomic and proteomic data, AI.

WHAT IS OFFERED

- Lead the technical team of the UBCD.
- Collaborate with other researchers through participation in scientific projects.
- Participate in the co-authorship of projects and research articles.
- Capacity to design and develop new bioinformatics tools.
- Participate in teaching activities at the IBFG.
- Training activities in digital skills (140 ECTS), including training stays (20 ECTS).

Contract conditions:

Indefinite contract for a Postdoctoral Researcher associated to the Momentum Project of 4 years' duration according to Spanish science law. Gross annual salary (41.000 € - 52.000 €).

Start of contract: before 31 December 2024

PRINCIPAL INVESTIGATOR CONTACT

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