

## Staff Scientist for the Biology Section

**Referencia:** SSBIO22

**Solicitudes:** Los interesados deberán enviar su C.V. indicando la Referencia: *SSBIO22* a:

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### Descripción

The CNIO Experimental Therapeutics Programme (ETP) is a group constituted by biologists and medicinal-chemists dedicated to the discovery and development of new antitumoral drugs. As an important part of our drug discovery platform we have developed a very professional infrastructure constituted by enabling technologies and chemical-biology databases to manage and store safely the data generated within our research projects. We are currently seeking a candidate with expertise in the fields of chemoinformatics and/or laboratory information management systems (LIMS) to be responsible for the technical management and administration of such infrastructure. The selected candidate will perform a diverse number of activities working in this environment. 1. She/he will carry out chemoinformatic analyses and data mining processes of chemical libraries and chemical-biology databases and computational related approaches for application in drug discovery, being responsible of virtual screening campaigns and molecular docking activities. 2. The candidate will be responsible for the maintenance of ISIS-BASE chemical databases and e-labnotebooks. 3. She/he will supervise the registration of newly synthesized/acquired small molecules in our Programme database. 4. She/he will be in charge for preparation of screening plates in our HTS platform, including programming of robotic systems and uploading of the generated information in ETP-database. 5. The candidate will help to setting up new assay protocols using informatics tools such as Pipeline Pilot (PLP) and will be responsible for uploading screening chemical-biological data in the internal database. 6. She/he will be responsible for the accuracy of data storage and tracking. Overall, the candidate will be responsible for the management and administration of all the informatics related topics within the ETP drug discovery platform.

### Se Requiere

- PhD in Biosciencias with four years of experience in the fields of chemoinformatics and/or bioinformatics and/or Laboratory Information Management Systems LIMS.
- Experience in application of chemoinformatics and computational chemistry related approaches in drug discovery.
- Experience managing Pipeline Pilot (PLP) environment and tools.
- Knowledge of Structure Query Language (SQL) and relational database management systems (RDBMS) in particular Oracle, together with R language.
- Experience in the maintenance and use of ActivityBase™ in Drug Discovery programs will be positively considered.
- Knowledge of Procedural language (PL). Additional experience managing ISIS-BASE

databases will be a bonus.

- Experience in LIMS for the integration of functions and data outputs of different laboratory equipments and facilities will be considered.
- Experience in managing robotics facilities, including HTS logistics and assay protocol preparation and execution will be a bonus.
- Excellent written and verbal communication and presentation skills.
- High level of english, both written and spoken.
- Capacity for teamwork and motivation.
- Applications must include a detailed CV, synopsis of work experience and at least two reference letters.

**Se Ofrece**

- The opportunity to be part of one of the few European Cancer Research Centres of excellence.
- An excellent working, multidisciplinary environment.
- Competitive salary.