

Reference: RS BIO23

Start date: 03/11/2023

Expiration Date: 02/12/2023 23:59:00

Description

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. We seek a PhD in the Biology Section of Experimental Therapeutics Programme. The position involves validating molecular cancer targets and mechanistic studies both in cellular and animal models. Furthermore the candidate will carry out the biological evaluation of targeted modulators developed in the Programme, both in cells and mouse models.

The selected candidate will perform a diverse number of activities working in this environment.

1. She/he will set up and/or adapt to an HTS format cellular assays for both screening campaigns and mechanistic studies.
2. The candidate will be responsible for the set up of in vitro assays for mechanistic studies.
3. She/he will in charge of the generation of knockdown or overexpressing cell lines for a target to test lead compounds developed by ETP.
4. She/he will perform mechanistic and efficacy studies in xenografts mouse models.

Overall, the candidate will be responsible for the in vitro and in vivo pharmacological characterization of compounds within the ETP drug discovery projects.

Selection Criteria

- PhD in Biomedical Science. The candidate should have at least 4 years of postdoctoral experience, preferably in Research in the discovery and development of drugs, developing activities to evaluate the biological / therapeutic activity of molecules both at the cellular level and in animal models.
- Experience in target validation including knockdown or overexpression of the target, generation of drug resistant cells lines, and evaluation of the known signaling pathways downstream of the target.
- Experience in molecular and cellular biology.
- Experience in cellular mechanistic HTS assays will be considered.
- Experience in biophysics methods to characterize compound binding to the target will be a bonus.

- Experience in the maintenance and amplification of xenografts for drug treatment: mechanistic and efficacy studies of antitumoral drugs.
- Working experience within multi-disciplinary teams, having capacity for teamwork and high motivation to integrate his/her area of expertise into the final objective of the Experimental Therapeutics Programme (i.e. development of new antitumoral drugs) will be considered.
- Excellent written and verbal communication and presentation skills.
- High level of english, both written and spoken.
- Applications must include a detailed CV, synopsis of work experience and at least two reference letters.

The CNIO Offers

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

Applications

Applicants should send their applications by e-mail to empleo@cniio.es, clearly quoting the Reference: **RSBIO23** in the subject line of the e-mail. Applications and resumes without a reference will not be considered.