Cancer Therapy Resistance Lab (CTRLab)

https://www.cicbiogune.es/people/aruiz

Computational biologist with interest in cancer biology and translational cancer research.

The Cancer Therapy Resistance Lab at CIC bioGUNE (Bilbao-Spain), led by Dr. Ana Ruiz-Saenz, strive to understand the molecular mechanisms underlying resistance to targeting therapies, with an especial focus on the role of tumor-associated aberrant glycosylation in breast cancer. Current and future projects are exploring new aspects of resistance to HER2-targeting therapies (antibodies, and antibody-drug conjugates) integrating clinical data, 3D cancer cell models, high-throughput approaches, CRISPR-Cas9 technology and co-culture systems.

The successful candidate will be in charge of project(s) involving analysis of newly generated data (NGS, transcriptomics) and publicly available clinical datasets (TCGA, Metabric…). The candidate should know how to evaluate and interpret research results independently; prepare them for submission to scientific journals and international meetings and write scientific abstracts and manuscripts. Specific projects will be discussed based on the candidate interest, competence, and projected scientific trajectory, with the possibility of participating in a project in collaboration with AstraZeneca.

Successful applicants will be hired on a full employment contract with a competitive salary. The position is available immediately until filled and covers 3 years of research (with the possibility on 3-years extension with positive evaluation). As a postdoc at CIC bioGUNE you will be part of a dynamic and collaborative scientific environment and have access to state-of-the-art facilities, giving you the opportunity to consolidate a strong scientific career.

We seek candidates with expertise in complex trait genetics, statistical genetics, and genetic epidemiology, along with proficiency in the analysis of large omic datasets. A background in quantitative fields such as statistics or computer science is advantageous. Proficiency in programming languages like R, Python, or similar is essential.

Requirements: Our lab aims to create and foster a professional, creative, inclusive and productive environment, where all lab members are empowered with the skills, knowledge and resources required for their projects and future careers. To do so, team members are expected to be ambitious, critical and take full responsibility for their projects in a supportive, collaborative and open culture.

- Candidates must hold a PhD in computational biology, bioinformatics or related fields. PhD in Molecular Biology or related fields will also be considered if strong experience on clinical bioinformatics is provided.
- Knowledge of R and programming languages.
- Excellent communication skills with colleagues and scientists. Proficiency in English and strong work ethics (Laboratory language English).
- Ability to work independently as well as in a collaborative team and a high degree of responsibility, flexibility, commitment and interest in scientific work and laboratory activities round off your profile.
- Experience in cancer biology and molecular biology methods is a plus.

Application procedure:

Highly motivated candidates please send CV, cover letter and contact of 3 references using our specified **form** and indicating **42081** as reference.

CIC bioGUNE
Parque Científico y Tecnológico de Bizkaia, Edificio 801-A
48160 Derio (Bizkaia)
Tel.: + 34 944 061 300 · Fax: + 34 944 061 301
Email: info@cicbiogune.es · www.cicbiogune.es