




Company Description

The Computational Biology Group at CIC bioGUNE seeks a highly skilled and motivated postdoctoral researcher to work on an exciting project that aims at the development of computational approaches for designing neuronal cell conversion protocols. Computational Biology Group web: <https://www.cicbiogune.es/people>

The Computational Biology Group aims at establishing a solid infrastructure to develop theoretical frameworks for computational modeling of biomedical problems, especially in the area of network biology. The group closely collaborates with leading national and international experimental labs with a particular interest in stem cell research and regenerative medicine.

Applications should contain the following Documents: A detailed Curriculum Vitae; A Cover Letter. Applications should be sent before 06.04.2024 to Prof. Dr. Antonio del Sol: adelso@icbiogune.es

Information

 **Deadline:** 2024-04-06
 **Category:** Business
 **Province:** Bizkaia

 **Country:** Basque Country
 **City:** Derio

Company

CIC bioGUNE



Main functions, requisites & benefits

Main functions

Post Doctoral Researcher to work on an exciting project that aims at the development of computational approaches for designing neuronal cell conversion protocols. In particular, the selected candidates will employ multiOMICs data for developing computational models of gene regulation to predict conversion factors that induce desired cell subtypes with high efficiency and fidelity. The effectiveness of the conversion will be demonstrated in disease models of Alzheimer's Disease, Stroke and Epilepsy.

Requisites

Essential Skills and Qualities: Ph.D. Degree in Computational Biology, Bioinformatics, Biology, Computer Science, Physics or a related discipline. Strong computational skills in at least one programming language (e.g. R or Python). A strong publication record in related fields. Excellent communication and working knowledge in English. **Ideal Skills:** Prior experience in computational systems biology. Prior knowledge about transcriptional regulation and the prediction of cellular conversion factors. Experience in working in a multi-disciplinary research environment.

Benefits

Opportunity to do highly interdisciplinary research to solve complex biomedical problems within a dynamic research institution (CIC bioGUNE) and in collaboration with internationally recognized partners. An exciting international environment. Long-term perspective with a contract extendable up to 6 years.

