

Postdoctoral Researcher at the Synthetic Biology laboratory

CIC bioGUNE is looking for highly-motivated postdoctoral researcher to work in the ERC Synergy project RGNcestry: Tracing and harnessing the ancestry of RNA-guided nucleases, funded by the European Commission.

CIC bioGUNE, member of the Basque Research and Technology Alliance (BRTA), is awarded with the “Excelencia Severo Ochoa” accreditation by the Spanish Ministry of Science and Innovation, the highest recognition in Spain for excellence in research. CIC bioGUNE is a key research center within the national and international scientific landscape and has emerged as a knowledge source in the area of health science. The cutting-edge scientific activity of CIC bioGUNE researchers explores the interface between Chemistry, Structural, Molecular and Cell Biology, with the aim of developing a more Precise Medicine.

We are seeking candidates to fill a postdoctoral position in experimental biochemistry and molecular biotechnology, with a focus on the characterization of ancestral RNA-guided nucleases (RGNs) reconstructed through ancestral sequence reconstruction. The successful candidate will investigate enzymatic properties, PAM flexibility, substrate promiscuity, and collateral cleavage activity, contributing to the development of next-generation genome editing and diagnostic tools.

The candidates will be part of a consortium including Botnar Insititue for Immune Engineering (Switzerland), Columbia University (USA), Biofisika Institute (Spain), and CIC bioGUNE (Spain). Active participation in consortium activities (research, meetings, dissemination, student guidance) is expected.

Requirements:

- PhD in biochemistry, molecular biology, biotechnology, or related fields.
- Hands-on experience with CRISPR nucleases, protein characterization, and enzymatic assays.
- Strong experimental skills, cooperative attitude, and proficiency in English.

Application procedure:

Candidates should apply via [CIC bioGUNE Careers](#), uploading an updated CV and a 1–2 page research statement, including contact information for two referees, using the following [form](#) and indicating 43083.

Contract:

Fixed-term for three years. Position must start by April 1st, 2026.