

**Company  
Description**

Biocruces Bizkaia Health Research Institute is a Scientific Institution created by the Department of Health of the Basque Government, the Basque Health Service (Osakidetza), The University of the Basque Country, the Basque Foundation for Innovation and Research (BIOEF) and BBK Fundazioa.

**Information**

 Deadline: 2021-04-12       Country: Basque Country  
 Category: Business  
 Province: Bizkaia

**Company**

Biocruces Bizkaia Health Research  
Institute

**Main functions, requisites & benefits****Main functions**

Protein expression and purification. Crystallography: protein crystal production. Sample preparation for CryoEM: Protein vitrification. Analysis of data obtained using X- ray and CryoEM crystallography. Protein reconstruction and refinement. Analysis of biophysical and molecular experiments. Scientific production.

**Requisites**

Degree in Pharmacy. Doctor of Chemical Sciences. Postdoctoral experience of more than five years. Strong knowledge of protein expression systems and extensive experience in protein purification (15%). Extensive knowledge in biophysical (microcalorimetry and surface Plasmon resonance) and biochemical techniques (10%). Managing molecular biology techniques (5%). Ability and handling of crystallographic techniques, such as X- ray crystallography and their corresponding data analysis (15%). Knowledge and handling of cryogenic electron microscope (CryoEM) and their corresponding data analysis (15%). Postdoctoral experience in abroad will be valued (10%). Knowledge of Glycobiology, especially in the mode of action of hydrolyzing of N-glycan antibodies (20%). Knowledge of synthetic chemistry and spectroscopic methods of carbohydrate characterization (5%). Excellent English handling, both written and spoken (2,5%). Certificate of minimum handicap 33% (2,5%).

**Benefits**

Contract: Temporary. Duration: One year (extendable). Work day: 100%. Annual gross remuneration: 32.423,79 gross annuals euros. Work Place: Structural Glycobiology group in IIS Biocruces Bizkaia. Expected start date: Immediately.