




## Company Description

NanoGUNE is a research center devoted to conducting world-class nanoscience research for a competitive growth of the Basque Country. NanoGUNE is a member of the Basque Research and Technology Alliance (BRTA) and is recognized by the Spanish Research Agency as a María de Maeztu Unit of Excellence.

## Information

 **Deadline:** 2022-06-30  
 **Category:** Business  
 **Province:** Gipuzkoa

 **Country:** Basque Country  
 **City:** Donostia/San Sebastián

## Company

CIC nanoGUNE



## Main functions, requisites & benefits

### Main functions

Applications are invited for a post-doctoral researcher to join the Self-Assembly group at CIC nanoGUNE led by Prof. Alexander Bittner. The candidate will join a research line focusing on molecular programming and self-assembly with DNA nanotechnology. The research project will include the design, assembly and characterization of functional DNA nanodevices such as DNA origami and DNA bricks interfacing with nanomaterials to work on applications in sensing, actuation and molecular robotics.

### Requisites

Applicants should possess, or be very close to obtaining, a doctorate in experimental physics, biophysics, chemistry, biochemistry or related fields. The successful candidate will have: Knowledge in molecular self-assembly, nanostructure fabrication, and single-molecule biophysics. Wet-lab experience in handling nanoparticles (e.g. metallic nanoparticles or enzymes) or nucleic acid chemistry (e.g. gel electrophoresis, bioconjugation) or lipid-membrane engineering (e.g. vesicle synthesis). Experience in optical microscopy, image analysis, spectroscopy and/or atomic force microscopy is a plus. Good oral and written communication skills in English can be an advantage.

### Benefits

We promote teamwork in a diverse and inclusive environment and welcome all kinds of applicants regardless of age, disability, gender, nationality, race, religion, or sexual orientation. The position is expected to start on 01/07/2022 and will last for one year with the possibility of an extension. Please direct enquiries about the role to Dr. Ibon Santiago (i.santiago@nanogune.eu).

