

## **Postdoctoral position at Carbon Nanobiotechnology Lab**

### **Job Summary**

Applications are invited for a multidisciplinary post-doctoral position in the Carbon Nanobiotechnology lab at CIC biomaGUNE. The projects available focus on developing carbon-based nanoparticles with different chemical and physical properties, suitable for bio-applications (i.e. medical imaging, drug delivery, bio-sensing).

Successful candidates will work on highly multidisciplinary projects, involving design, synthesis and characterization of multifunctional carbon based materials and relative biological studies. Therefore, the candidate will interact with experts in different disciplines, spanning from synthetic chemistry to cell biology, from photochemistry to medical imaging, and with the opportunity to employ a wide range of characterization and purification methods (i.e. optical spectroscopy, AFM, TEM, XPS, SEM, HPLC, gel electrophoresis, etc) and biology procedures (i.e. cell biology studies, confocal microscopy, medical imaging by MRI and/or PET/SPECT).

CIC biomaGUNE in San Sebastian is a leading research centre in the area of bionanomaterials and molecular imaging, recognized (2018) as a Centre of Excellence in the Severo Ochoa/Maria Maeztu program (the highest recognition of scientific excellence in Spain awarded by the Spanish State Research Agency). The centre offers a highly international environment, with vibrant weekly scientific seminars given by leading experts in biomaterials and nanomedicine.

### **Education Level:**

- MS in Chemistry, (bio/nano) Material Science, or any relevant related area, is required.
- PhD in Nanotechnology, Organic Chemistry or related disciplines

### **Skills:**

- Research experience
- Good theoretical background and previous practical experience in nanotechnology, synthetic chemistry and purification/characterization methods is required.
- Experience with Carbon nanomaterials is preferred.
- Experience in *in vitro* cultures and animal experience are desirable. Possibility to access to *in vivo* studies will be considered depending on projects and interest of the candidate.
- Proficiency in English, spoken and written is mandatory.

**Duration:**

Research project development length december 2025.

**Envisaged Job Starting Date:** May/2023

**Application Deadline:** 2023-03-31

**Project Funding:**

- e-DOTS - 885323 - (European Research Council (ERC) - H2020)

**How to apply:** [Check the full details at webpage](#)

**Informal Inquiries:** Informal requests for additional information can be sent to *Maurizio Prato* at [mprato@cicbiomagune.es](mailto:mprato@cicbiomagune.es) or at .

Applications sent directly to the emails listed above **will be NOT be accepted**

**Equal opportunities Policy:** CIC biomaGUNE is proud to be an equal opportunity employer and applicants will receive consideration for employment without regard to: age, color, disability, gender, national origin, race, religion, sexual orientation, gender identity, or any other classification protected by European, national, or local law.

Open Transparent and Merit Based Recruitment Policy:

[You can check here CIC biomaGUNE OTM-R Policy](#)

**About CIC biomaGUNE**

CIC biomaGUNE, located in the Science and Technology Park of Gipuzkoa (Donostia-San Sebastián), is a leading research center in the area of bionanomaterials, molecular imaging and regenerative medicine and counts with more than 160 people from 24 countries. The activity of CIC biomaGUNE is conducted by a team of 11 international and dynamic research groups, supported by flexible and efficient management teams and a unique research infrastructure including the Molecular Imaging Facility, one of the biggest preclinical imaging research infrastructures in Europe.

CIC biomaGUNE maintains a vibrant weekly scientific seminar program by visiting leading scientists. Additional training in soft skills and technologies covered by the CIC biomaGUNE technical platforms is offered to researchers within the in-house training program.

CIC biomaGUNE is committed to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (Charter and Code).

Please check out the Human Resources Strategy for Researchers - [HRS4R at CIC biomaGUNE](#).