Postdoctoral Position in Antibody-Based Therapeutics at the UPV/EHU

A **postdoctoral position** (3-month initial period, extendable to 3 years) funded by ***Worldwide Cancer Research*** is available in Dr. Edurne Rujas and Dr. José Luis Nieva's group at **Instituto Biofisika (UPV/EHU, CSIC)** (www.biofisika.org), (Bilbao, Spain). This position offers a unique opportunity to contribute to cutting-edge research at the intersection of protein engineering, oncology, and drug delivery systems.

Research Focus

The current project is dedicated to advancing innovative approaches to overcome resistance mechanisms in cancer therapeutics. Specifically, it centers on developing **"Backpacked-antibodies"**, a novel platform combining antibodies with lipid nanodiscs for enhanced precision in drug delivery. This project aims to engineer next-generation biologics that integrate chemotherapy with immune-checkpoint blockade for superior antitumor efficacy.

Key Responsibilities

The successful candidate will:

1. **Lead the production of antibody-based molecules** utilizing advanced protein engineering techniques.
2. **Evaluate therapeutic efficacy *in vitro* and *in vivo*** by generating xenograft mouse models and conducting detailed analyses of antitumor responses.
3. Play a pivotal role in **setting research goals** and preparing high-quality manuscripts and presentations for publication and dissemination at scientific meetings.
4. Collaborate on multidisciplinary projects and contribute to the laboratory's dynamic research environment.

Qualifications

We are seeking a highly motivated postdoctoral researcher with:

- **Expertise in protein engineering**, particularly antibody design and production.
- Hands-on experience with ***in vivo*** **animal work**, including the generation and handling of xenograft mouse models.
- Background in **protein expression** and **cell biology** is desirable.
- Strong organizational and communication skills, with a proven track record of scientific publications.

Application Details

Interested candidates should send the following documents in a single PDF:

- A detailed **CV**.
- A **cover letter** describing their research interests and relevant experience.
- Contact information for **two professional references**.

Applications should be sent to Edurne Rujas at edurne.rujas@ehu.eus with the subject line "Postdoctoral Application – Antibody-Based Therapeutics". The deadline to receive applications is January 6th, 2025.