

OFFER – Predoctoral position ERANET

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The IBF is a joint research centre of the University of the Basque Country (UPV/EHU) and the Spanish National Research Council (CSIC). In partnership with Fundación Biofísica Bizkaia (FBB), the centre focuses on advancing knowledge about the physical and chemical processes underlying biology and disease.

Offer and description of the project

The project will be developed within the recently granted ERANET Neuron project IMatrix (<https://www.neuron-eranet.eu/projects/IMatrix/>). The main goal of the PhD project will be to design, prepare and validate smart or responsive contrast agents based on fluorinated nanoprobe and to study the role of metalloproteinases after stroke by ¹⁹F MRI. It is a multidisciplinary project involving chemistry, nanotechnology and biomedicine that will be carried out the frame of an international consortium involving experts from Spain, France, Germany and Hungary. The project will be developed at the Instituto Biofísica (CSIC, UPV/EHU) (<https://biofisika.org>) under the supervision Dr. Mónica Carril in the FluoroNanoTools Lab.

Required background

Applicants must have a degree in Chemistry or similar and a Master that gives access to PhD programs. Background in organic synthesis, nanotechnology and biomedicine will be positively valued. Applicants should have a good academic record, good communication skills, a strong passion and commitment to science, and work well within a group. Knowledge of written and spoken English is also needed. Applications must include:

1. a cover letter highlighting their interest in the position and the main research achievements.
2. curriculum vitae clearly stating the degree and master final qualifications.
3. the name and contact address (e-mail) of at least one academic referee.

Applications should be submitted to Dr. Monica Carril (monica.carrilg@ehu.eus).

Applications will be considered upon arrival and the selection process will end once the position is filled

Deadline: June 1, 2023