

Postdoctoral Position in “Enzyme-polymer hybrids for enhanced catalysis”

A postdoctoral position is available in the PolyZymes Group – Multifunctional Protein-Polymer Hybrids Research Line – at the Basque Center for Macromolecular Design and Engineering, POLYMAT Fundazioa, and University of the Basque Country (UPV/EHU) (<https://polymat.eu/en/research/Multifunctional-Protein-polymer-Hybrids>).

The project endeavors the stabilization of plastic-eating enzymes through the decoration of the surface of the catalysts with functional polymers. Moreover, the methodology will also be applied to cofactor-dependent enzymes, whose stability and one-pot reactions will be improved.

Applicants must have a PhD (or equivalent) in applied Polymer Science, Chemistry, or Enzymology, with a strong background in reversible deactivation radical polymerization (RDRP) (preferably RAFT) methodologies. Knowledge of protein modification grafting-from methods is desired, including bio-RAFT or PET-RAFT. Applicants should have a strong record of innovative scientific accomplishments as evidenced by first-author papers published or accepted in internationally recognized journals. Qualified candidates must also demonstrate outstanding communication skills, have a strong passion and commitment to science, and work well within a group. A good command of written and spoken English is a must. If preselected, a telephone or online interview will be carried out before any other appointment is made.

The selected candidate is expected to conduct research, write papers, reports, and proposals, and establish collaborations with partner institutions. The position involves the supervision of PhD students and undergraduates. Applications should be addressed to Dr. Ana Beloqui and sent via e-mail with the subject ‘**Postdoc Protein-Polymer**’ in **one single PDF** to ana.beloqui@ehu.eus before January 31th, 2024. It is recommended that applications are made as soon as possible as they will be considered upon arrival. They must include:

- (i) a cover letter highlighting their interest in the position and the main research achievements.
- (ii) curriculum vitae.
- (iii) a short description of previous research (2-3 pages).
- (iv) the names and contact addresses (e-mail) of two academic referees.

It should be noted that only those applications that followed these guidelines will be considered!

Please note that *because of the large number of applications expected*, we will not be able to give individual *feedback* to unsuccessful applications.

POLYMAT and UPV/EHU have obtained the ‘HR Excellence in Research award’. The award reflects our commitment to continuously improve our human resource policies in line with the European Charter for Researchers, the Code of Conduct for the Recruitment of Researchers, and our commitment to achieving fair and transparent recruitment and appraisal procedures.