

Call reference number	(2023-02)
Call name	Post-doctoral position: Engineering of bioinspired enzyme-like Metal-Organic Framework Catalysts for the separation and transformation of greenhouse gases
Application Deadline	2023/02/05

Introduction and main description
<p>BCMaterials, Basque Center for Materials, Applications and Nanostructures, is an autonomous research center launched in June 2012 by Ikerbasque, the Basque Foundation for Science and the University of the Basque Country (UPV/EHU) as a research center for Materials, Applications and Nanostructures. The center is included in the BERC's (Basque Excellence Research Centers) network and its mission is to generate knowledge on the new generation of materials, turning this knowledge into (multi)functional solutions and devices for the benefit of society.</p> <p>We are looking for a post doctorate level researcher in the area of the bioinspired design of Metal-Organic Framework materials based on biological-building units. The hired researcher will apply these bioinspired porous materials for the catalytic transformation of green house gases at moderate to low temperatures and pressures. The work will be carried out at BCMaterials and the SUPREM research team at the engineering school of Bilbao, at the University of the Basque Country (UPV/EHU), and will enjoy collaboration with world leading research groups in the areas of environmental remediation, monitoring and remediation and catalysis.</p> <p>The starting date is as soon as possible, and for experience researcher competitive salary will be paid and are at par with other EU scientific establishments.</p>

Skills and Requirements
<p>The candidate must have a PhD degree in Materials Science, Chemistry, Physics or related areas.</p> <p>Proficiency in speaking and writing in English.</p> <p>Capacity for teamwork in an interdisciplinary and international environment.</p> <p>Self-motivation and willingness to perform independent research.</p> <p>A strong background on materials synthesis, preparation and characterization, specially by neutron techniques, will be highly valuable.</p> <p>Creativity in problem solving. Ability and eagerness to learn new skills outside own discipline.</p> <p>Presentation skills and ability to meet the deadline are also required.</p>

Work Program / Duties / Responsibilities
<p>The research topic for this project is based on the recently granted ENZYMOF project, that involves the specific design and application of bioinspired catalysts, and their advanced applications for catalytic transformation.</p> <p>Work will also involve overseeing and training younger researchers, designing experimental programs, and assisting in the preparation of manuscripts and project proposals.</p>

Application Procedure

Apply by submitting a motivation letter and a CV (in English) using the "Contact" button at the corresponding offer, at the "Join Us" area on BCMaterials' portal (<https://www.bcmaterials.net/join-us>).
Your name and email address will be required for further contact too.

Other Relevant Information

Interview will be conducted soon after the deadline. The starting date to join is as soon as possible.