

**Postdoctoral Researcher Position at IMDEA Energía  
to work on**

**Novel materials as electrode and electrolyte components in fuel cell technology**

The Institute IMDEA Energy is a Research Centre created by the Regional Government of “Comunidad de Madrid” to develop world-class R&D on clean and renewable energy. The ultimate goal of the Institute IMDEA Energy is to achieve outstanding scientific and technological contributions in the creation of a sustainable energy system. The aim of the Institute is to make a significant impact in all energy-related research topics by bringing together high quality researchers, providing them with excellent infrastructures and resources and promoting their close collaboration with the industrial sector.

The Advanced Porous Materials Unit at IMDEA Energy is opening a postdoctoral researcher position **on synthesis of new proton conducting materials for fuel cells**, with the following characteristics:

**Your Tasks:**

- Fundamental/Applied research and experimental development in the field of materials for energy applications involving crystalline hybrid porous solids.
- Development of ion conductive membranes.
- Dissemination and publication of research results in scientific journals.
- Supervision of undergraduate and graduate staff working in the R&D unit
- Participation in proposals preparation and management National and International research projects.

**Your Qualification, experience and skills:**

- Ph.D. degree in Chemistry, Material Sciences, Chemical Engineering, or equivalent.
- Knowledge and experience in material synthesis (inorganic and coordination chemistry) and characterization (XRD, fluid sorption, spectroscopies, microscopies, TGA, etc.)
- Appreciated knowledge on structural resolution (single crystal and/or powder), membrane preparation and ion conductivity.
- Proved experience in National or International R&D project.
- Accredited oral and written communication skills in English.

**Location:** Mostoles, Madrid, Spain.

**Remuneration:** Between 35,000-38,000 € brut *per year*, depending upon qualification and expertise.

**Duration:** The position is available immediately and is a one-year appointment with annual renewals depending on performance.

**Reference:** 20.21. MPA4 POD

For further information contact: Dr. Patricia Horcajada, E-mail: [patricia.horcajada@imdea.org](mailto:patricia.horcajada@imdea.org)

Applicants should send their Curriculum Vitae, covering letter and student records with the average marks obtained not later than the **6<sup>th</sup> November at 15:00h** to the following address:

**email:** [patricia.horcajada@imdea.org](mailto:patricia.horcajada@imdea.org)

**Subject:** Reference 20.21. MPA4 POD