Postdoctoral Researcher Position at IMDEA Energía to work on the development of nanostructured hybrid materials for solar fuels production by photoelectrochemical processes

The IMDEA Energy Institute is a Maria de Maeztu Center of Excellence with the mission of developing world-class R&D in the field of clean and renewable energy technologies. The Institute aims at contributing to the establishment of a sustainable energy system with a high degree of decarbonisation, economically competitive and securing energy supply (www.energy.imdea.org).

The Photoactivated Process Unit is developing a new project related with the developing of nanostructured hybrid materials for the photoelectrochemical production of solar fuels (Ref. PID2019-106315RB-I00 (NHyMPha). In this context, we are looking for talented and motivated candidates with a strong background to perform the required tasks.

IMDEA Energy is opening a Postdoctoral Researcher Position for the Photoactivated Processes Unit with the following characteristics:

Your Tasks:
- Synthesis of nanostructured conjugated porous polymers.
- General characterization in special of these Photophysical properties.
- Use of a Laser Flash Photolysis system.
- Preparation of hybrid systems and their implementation as photocatalyst for solar fuels production.
- Assembly of photoactivated catalytic devices able to work under visible-light and bias-free conditions.

Your Qualification Experience and skills:
- Ph.D. degree in Chemistry, Materials Science or a related area.
- Demonstrated experience on charge transfer dynamics in materials and organic molecules by means of laser flash photolysis.
- Solid background in organic chemistry and photochemistry.
- Experienced in national and international projects.
- Accredited oral and written communication skills in English.

Location: Mostoles, Madrid, Spain.
Remuneration: 35.000-38.000€ gross salary per year.
Duration: The position is available immediately and is a one-year appointment with annual renewals depending on performance.
Reference: 20.42 FA5 POD
E-mail: For further information contact to Dra. Marta Liras marta.liras@imdea.org
Applicants should send their Curriculum Vitae, covering letter not later than the 30th of November, 2020 at 15:00h to the following address:

Email: marta.liras@imdea.org
Subject: Reference: 20.42 FA5 POD