JOB OFFER

PhD POSITION
ASSOCIATED WITH EU H2020 INNOVATION ACTION PASSENGER RESEARCH PROJECT

The duties will fall in the frame of the European H2020 Innovation Action “PASSENGER” (coordinated by IMDEA Nanoscience and involving 20 partners with 14 companies, from 8 different countries), which will begin 01/05/2021 and will have a total duration of 4 years.

• Position Requirements

  o Degree in Physics, Materials Science, Engineering or related discipline.
  o Very good oral and written proficiency in English.
  o Ability to work both independently and as part of a team.
  o Availability to travel (meetings, research stays...).

• Functions and Tasks

The main duty is to conduct both research and technological development oriented to produce permanent magnet materials, in combination with participation in the fabrication of prototypes to demonstrate their functionality. Teaching is not considered but active support to the youngest students in the group will be required as well as active preparation of documents related to the project (manuscripts, media content and specific reports). Good and collaborative attitude with other group members is expected, as well as a willingness to take on some practical issues fairly shared among the group members.

• How to apply

  o Applications should be sent electronically to jobs.nanociencia@imdea.org
  o The subject of the mail should start with the Ref. followed by your family name and name: (ie. subject: Ref. PASSENGER Smith John).
  o One compressed file (in PDF format) including the following documents:
    ▪ Motivation letter (max. 1 page).
    ▪ Short curriculum vitae (max. 2 pages including the 5 most relevant papers, invited talks, patents as well as prizes or other major achievements, etc.).
    ▪ Names and contact details of at least two Referees..
  o Shortlisted candidates will be called for an interview.
  o The work will be carried out preferably from 1 July 2021 onwards.
• Benefits

The researchers will have the opportunity of working in a multidisciplinary scientific environment at IMDEA Nanociencia (Severo Ochoa Center of Excellence) and in the framework of a large international project, which groups research centers, academia and industry from 8 different countries. As the project covers the whole magnets production value chain, while aiming at making the transition from a linear to a circular model, the involved researchers will have the opportunity to acquire additional experience on major aspects: sustainability, life cycle assessment, recyclability and communication (from experts to citizens).

PASSENGER offers the possibility of changing the technological horizon in Europe. Successful consecution of the project will mean an impact on nowadays and future technologies by developing new materials and methodologies with application in energy, transport, aerospace and medical sectors, among others. Researchers working actively in this project will be able of opening new scientific and technological paths in the field of permanent magnets and electromobility applications, aiming to make a real impact by addressing key societal, economical and environmental challenges.

Selected candidates will be contacted for an interview. Unsuccessful applicants with an outstanding profile will be contacted in a near future in case that an additional position would become available in this project.

The position (full time) will start with a renewable 1-year contract up to a maximum of 3 years.

Gross salary will be according to standard regulation in Spain at IMDEA Nanociencia.

We regard gender equality and diversity as a strength and an asset.

• **Deadline for applications:** June 15, 2021.

• **Starting date:** July 1, 2021.