

# Postdoctoral Position

Universidad Autónoma de Madrid (UAM) offers a **18 months postdoctoral position** to work on rare-earth-free magnets with interesting applications in hybrid and electric vehicles motors (E-motors), renewable energy storage (flywheels) and wind turbines (generators).

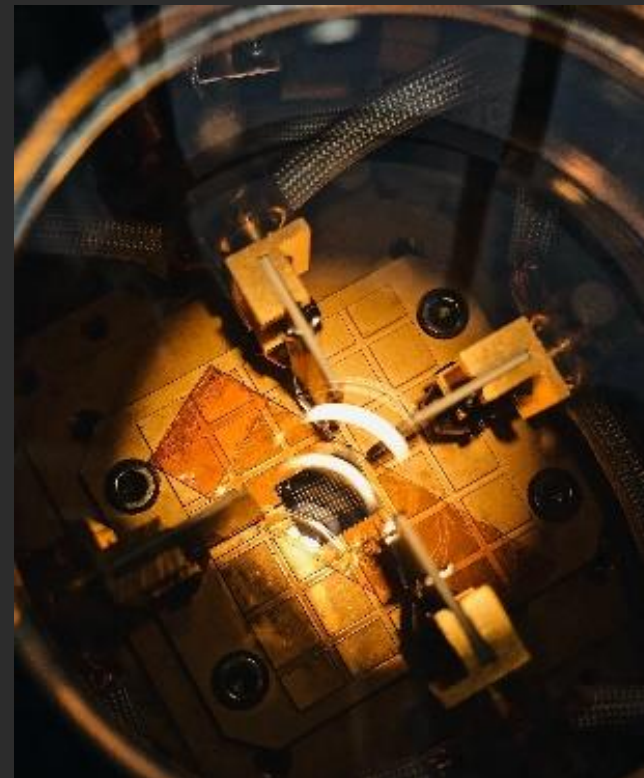
The candidate must hold a PhD in Physics, Chemistry, Materials Science or related areas.

The candidate must show good knowledge in magnetism, condensed matter and materials science.

Experience in scanning force microscopy techniques and transport measurements would be welcome.

We will specially value enthusiasm for Science, teamwork spirit, personal initiative and communication skills in English.

The candidate will carry out atomic and magnetic force microscopy measurements of nanowires and nanoparticles, magnetotransport measurements and electrophoresis experiments.



Send us an email to  
[miriam.jaafar@uam.es](mailto:miriam.jaafar@uam.es)  
[enrique.burzuri@uam.es](mailto:enrique.burzuri@uam.es)

and do not forget to include:  
a short motivation paragraph, CV and names/email of at least 1 reference contact.

**Duration:** 18 months  
**Salary:** 2300 €/month  
(before taxes)

**Application  
deadline:** 15/March/2023.