



## POSTDOC POSITION in Madrid /SPAIN

at MAGNETRANS-UAM group  
Universidad Autonoma de Madrid, Spain  
<http://www.uam.es/gruposinv/magtran/>

**One postdoc position** (12 months, with extension depending on external funding) supported by Spanish Ministry of Science and Innovation is currently available in the frame of ongoing research project on **dynamics and noise in spintronic and superconducting nanostructures**.

This work is a collaboration between MAGNETRANS-UAM group and other laboratories such as LPM (Universite Poincare Nancy France), KU Leuven (Belgium), Universidad de Pais Vasco, San Sebastian (Spain), UIC, Chicago, USA.

The studies offer training possibilities in a large variety of aspects that go from basic to advanced RF characterization (linear magnetization dynamics using VNA down to 1.5K), low frequency frequency noise measurements down to 0.3K using cross correlation technique, high frequency noise measurements, as well as dynamic and static micromagnetic simulations.

The studies will address various fundamental questions of the magnetization dynamics related to magnetic or superconducting vortices or domain walls in dots and magnetic tunnel junctions.

The candidate should have a PhD in physics with a sound background in either E-beam lithography, dynamic simulations or high frequency measurement techniques.

Interested candidates should send before December 20/2010 their CV with a letter of motivation to:

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