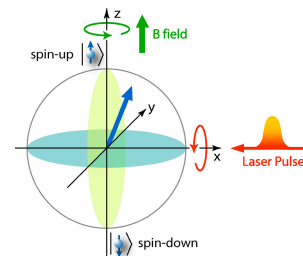
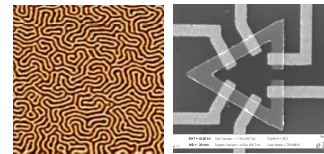


The Nanomagnetism Group at the CIC nanoGUNE Research Center in San Sebastian (Spain) is currently looking for a talented and motivated

Postdoctoral fellow
(Physicists/Materials Scientists/Engineers)

who is interested in working in an inspiring international and interdisciplinary environment in the following research areas:

- fabrication and characterization of artificial magnetic materials and multilayers to develop an understanding of their basic physical properties as well as evaluate their suitability for applications
- laterally patterned magnetic nanostructures and devices that are fabricated by means of electron beam lithography and thin film and multilayer deposition techniques
- time resolved magneto-optic Kerr microscopy with sub-nanosecond time resolution for studying the magnetization dynamics (e.g., fast magnetic switching) induced by short-pulsed fields, at room temperature or in proximity of the critical temperature.



CIC nanoGUNE Consolider is a recently founded Research & Development Center with the mission of conducting basic and applied world-class research in nanoscience and nanotechnology. Further details about the Center and the Nanomagnetism Group can be found online at: <http://www.nanogune.eu/en/research/nanomagnetism/>

Recent work on the above research topics by the lead scientists of our team can be found in the following articles on artificial meta-magnets: Nature Materials **2**, 112 (2003), Phys. Rev. Lett. **91**, 197203 (2003), J. Magn. Magn. Mater. **319**, 13 (2007); on magnetic reversal: IEEE Trans. MAG **41**, 3178 (2005), Appl. Phys. Lett. **90**, 162516 (2007), Phys. Rev. Lett. **99**, 027207 (2007), Phys. Rev. **B 77**, 214402 (2008); and magneto-optical characterization: Phys. Rev. **B 72**, 054405 (2005), Phys. Rev. Lett. **97**, 217201 (2006), Phys. Rev. **B 76**, 125413 (2007), Phys. Rev. **B 78**, 174403 (2008).

Candidates should have a strong background in physics, materials science or electrical engineering. Experience in one or more of the following fields is highly desirable but is not a prerequisite: magnetic materials and microscopy, magneto-optics, thin film growth, RF techniques or time resolved measurement techniques, and nanofabrication. Proficiency in spoken and written English is compulsory. Applicants should submit their CV including a publication list, a list of references together with a letter describing their interests to:



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