



PhD position

Fabrication of magnetophotonic materials

Institut de Ciència de Materials de Barcelona

www.icmab.es

We are looking for candidates for a PhD position in the preparation and synthesis of magnetophotonic materials. The successful candidate will develop the chemical synthesis of self-assembled structures of magnetic nanoparticles, as well as the preparation of nanopatterned materials using top-down lithographic techniques, including nanoimprint and e-beam lithography. The PhD student will be also trained in advanced microstructural characterization, including transmission electron microscopy (TEM), X-ray diffraction (XRD) and scanning electron microscopy (SEM). The successful applicant will be enrolled in the Ph.D program of the Autonomous University of Barcelona.

A completed or about to be completed degree in chemistry, chemical engineering or physical chemistry and a high level of English are required. Applicants with excellent academic record will be prioritized.

Interested candidates should send a CV and a short motivation letter, including the names and contact details of three persons to ask for references to

Gervasi Herranz gherranz@icmab.es or
Anna Roig roig@icmab.es