Applications are invited for the post of a Postdoctoral Research Assistant to work on a project carried at the Spanish Scientific Research Council (CSIC) in Madrid under the supervision of Dr. J. García de Abajo. The successful candidate will undertake research into theory of interaction of fast electrons with nanostructures.

The main aim of the project is to investigate theoretically cathodoluminescence arising from bombardment of nanoparticles and nanophotonic environments in general by fast electron beams as those available in scanning and transmission electron microscopes. The theoretical research to be undertaken is part of an international collaboration that involves as well the University of Southampton and the University of Paris-Sud in the join European STREP project SPANS.

A PhD in a relevant area of theoretical physics or materials modelling is required and experience in using/modifying/developing electromagnetics and/or electronic structure codes is highly desirable.

The position is for two years with a salary of 42,000 euros per year.

Informal enquires should be addressed to Dr. J. García de Abajo at jga@sw.ehu.es